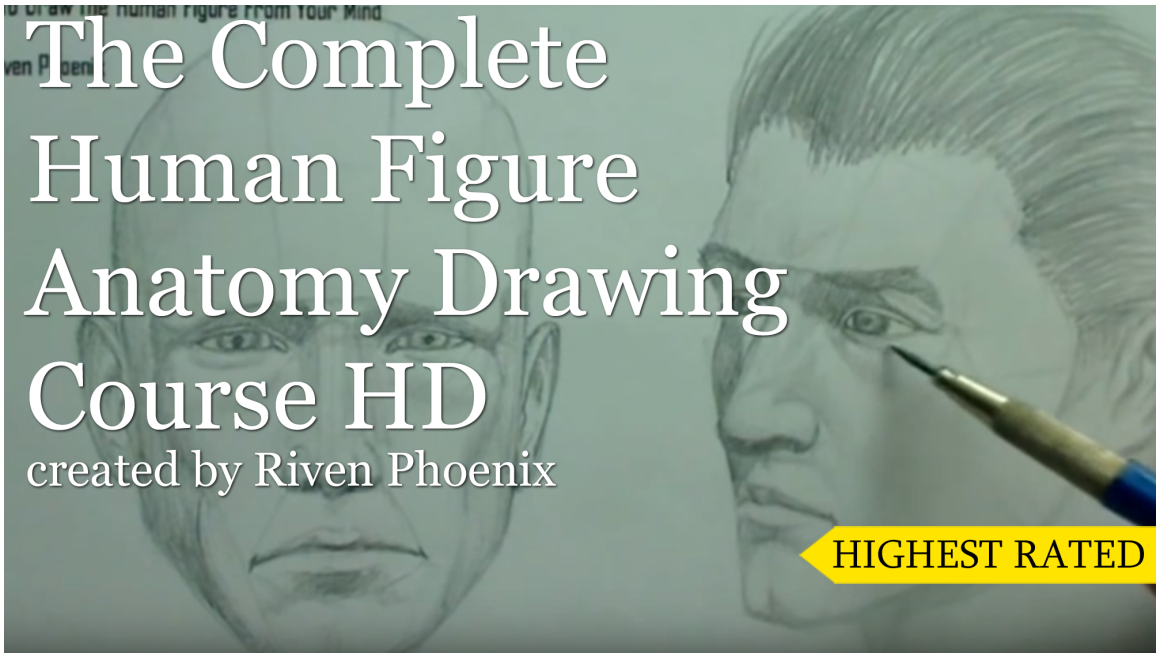

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

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Figure Drawing Lesson 026 - The Formulas for Front and Back View of Scapula

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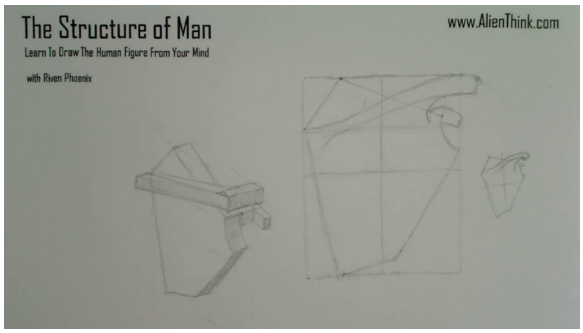
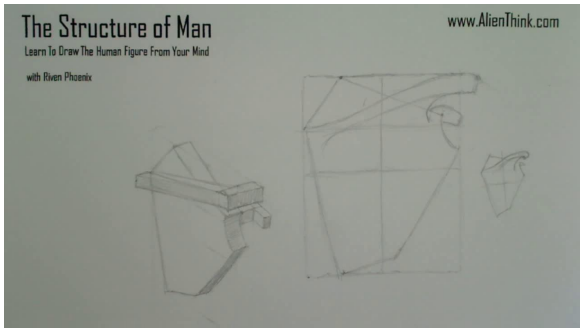
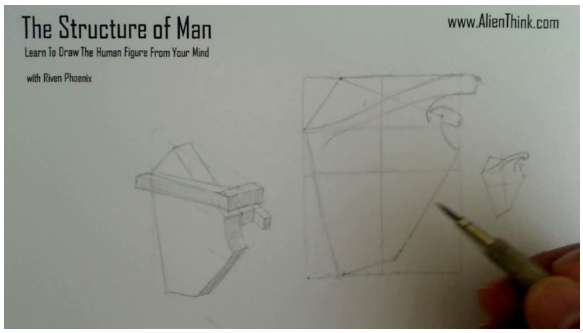
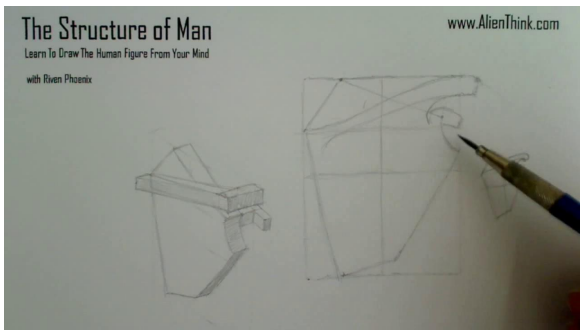
1		Hey guys, my name is Riven Phoenix, and welcome to the structure of Man Learn to Draw
2		the Human Figure from your mind trading course.
3		Okay, so now, from the previous lesson, we had looked at the formulas for the design of
4		the scapula, and they were very simple to understand, and we also understood how we could

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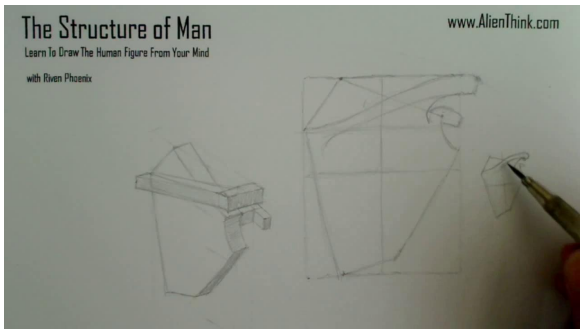
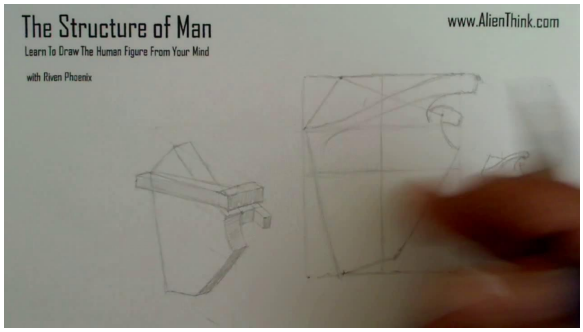
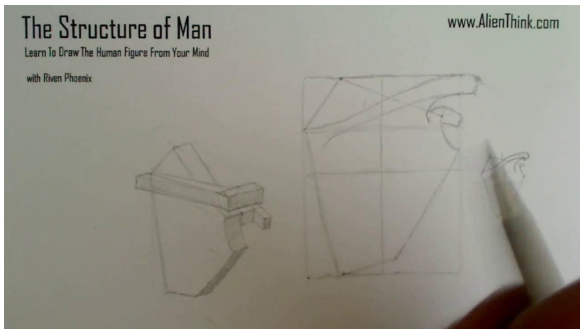
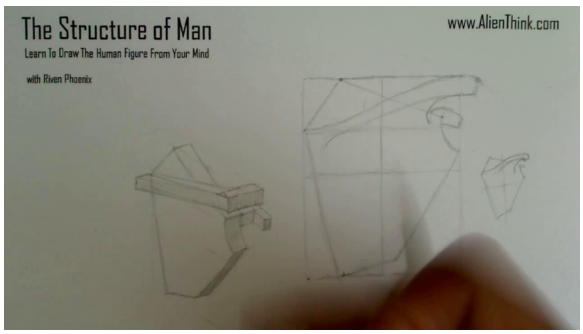
5		very easily just draw it out freehand, right?
6		And we also looked at just in the mind how we need to at least understand its design in a
7		three-dimensional view, right?
8		So this concept here will come in pretty handy when we're drawing it from the side.

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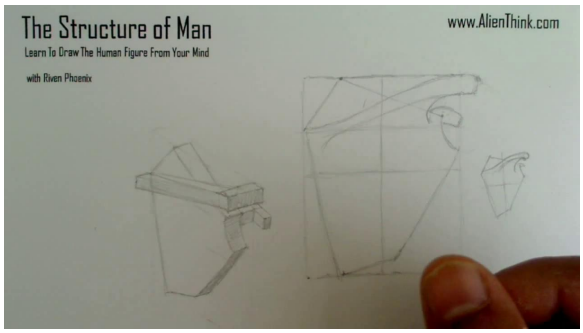
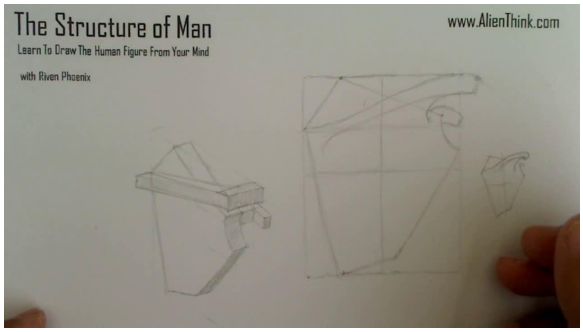
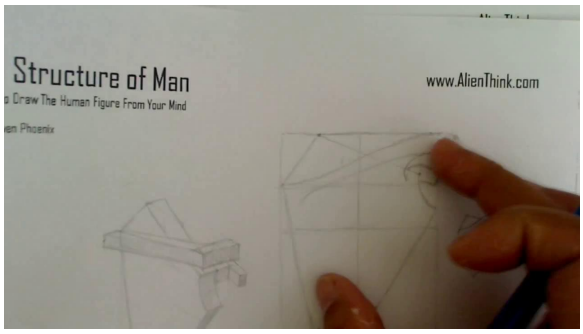
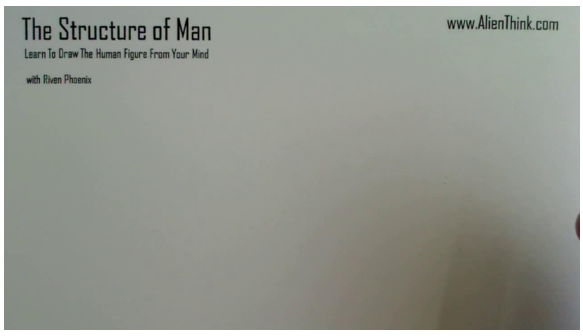
9		So what we want to do now is look at the front of the scapula.
10		So here we drew out the back right, and now we're going to draw pretty much the same exact
11		way, but we will draw it from the front left version of it.
12		Okay, so to do that, we'll just draw it out here.

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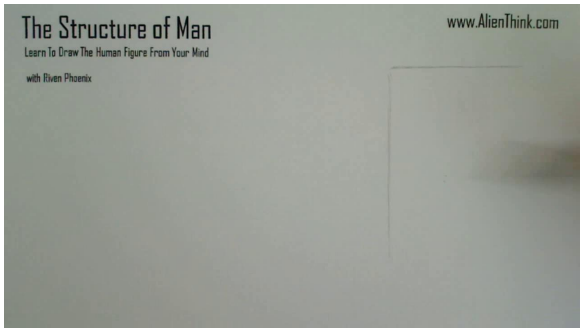
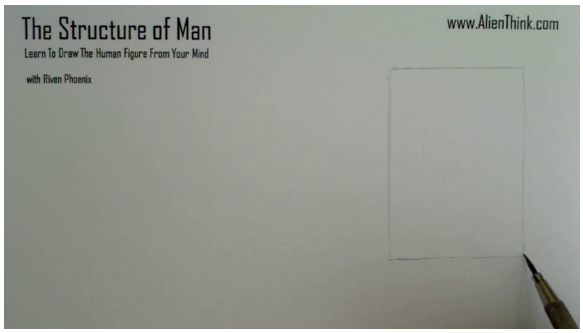
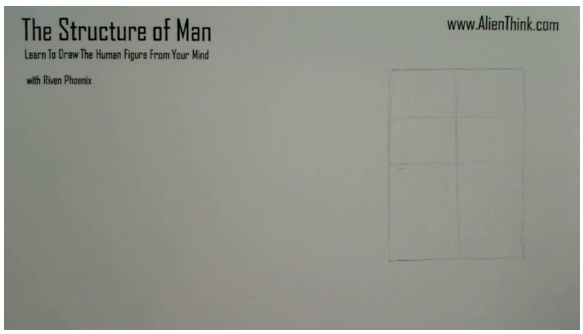
13		Here, I'm just going to draw out a good rectangle over here, just like this.
14		So here, all we know that we can just draw out this rectangle, and really just divide this
15		in half, and this will give us the basic idea for the formula over here, just like this.
16		Okay, so once we have this, we know that since we're drawing it out from the front,

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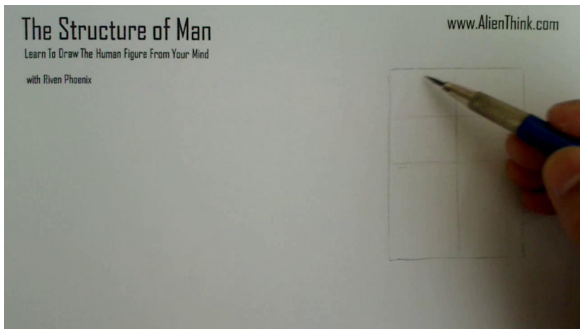
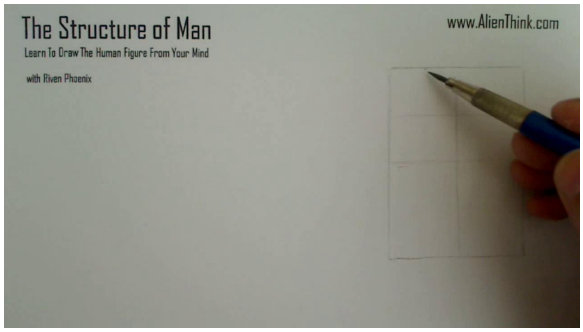
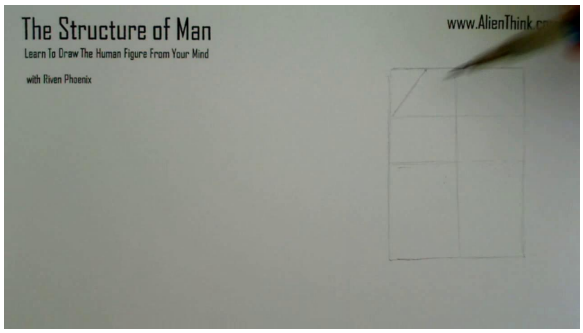
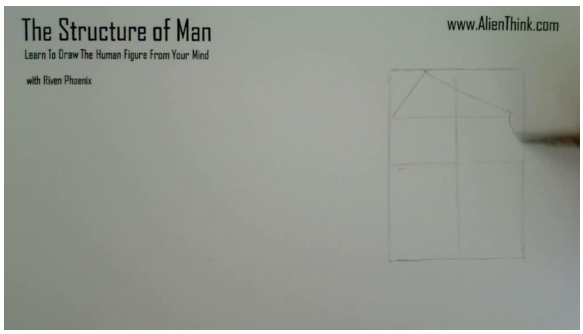
17		it's going to be exactly the same.
18		So if I, from here, I'm just going to make a very simple line from here, and then we also
19		know that from here, we need to just end up about here, right, then from here we'll just
20		make like a curve that right about in the middle, and then from here we can just make a very

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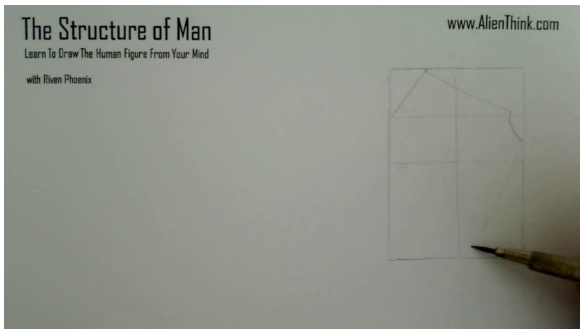
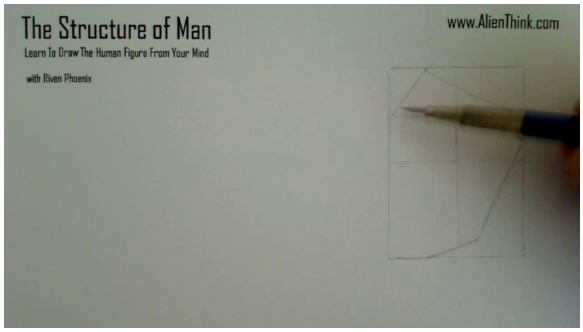
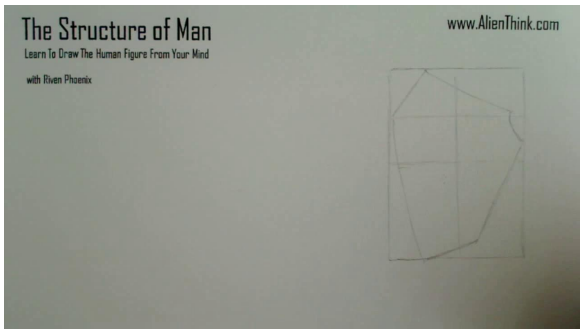
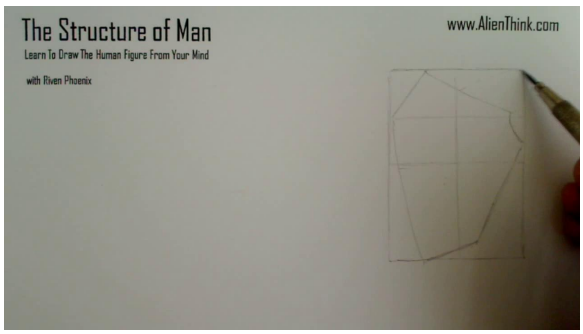
21		basic line going like this in this direction, and then pretty much just come about in the
22		middle, and then come like this.
23		Right, so it's exactly the same as before, and then that idea here, we just want to draw
24		out, coming out a little bit over here, just like this, and going back down.

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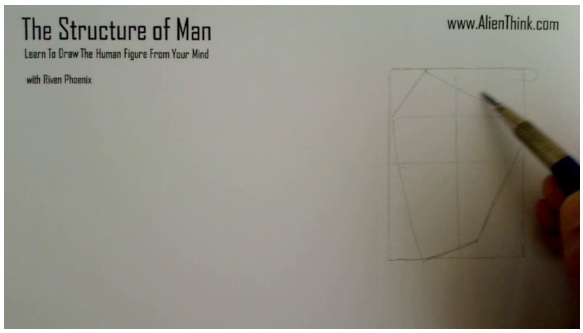
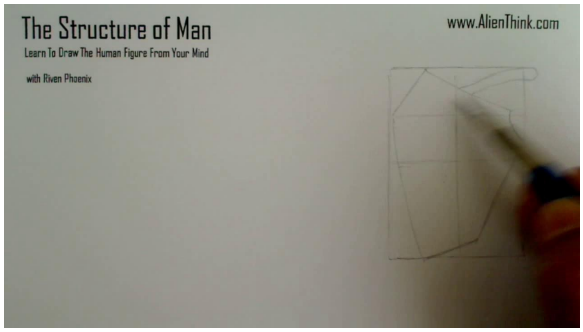
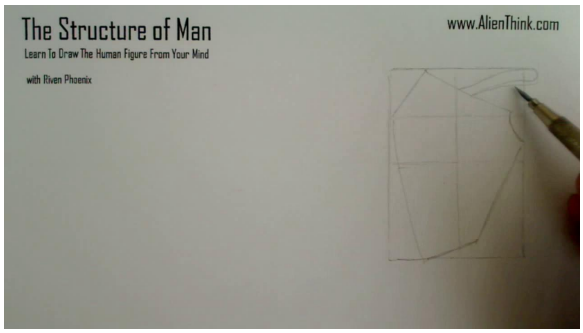
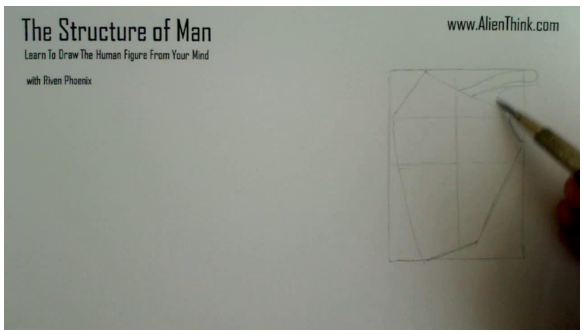
25		Right, so this idea here that I'm showing you for this bone structure over here, it's obviously
26		not going to be on top of here because we're looking at the backside of it.
27		So here I'm just going to elongate this, yeah, a little bit here.
28		So just know that in the previous one, right, this bone is going all the way over here,

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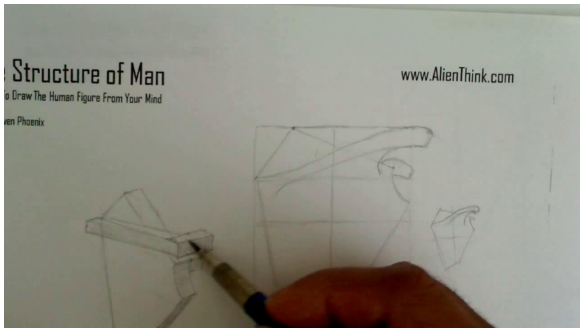
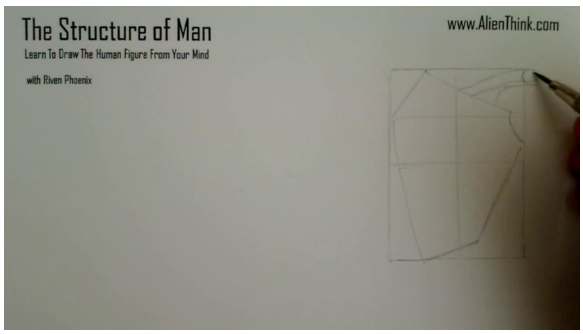
29		and we had talked about that when this is the area that I'm talking about over here, then
30		this goes away from us.
31		Right, so on this end, really this thing here, I'm just going to make it kind of like a circle
32		over here, it's coming towards us, like this.

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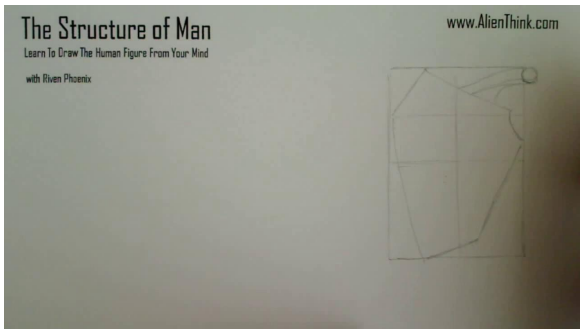
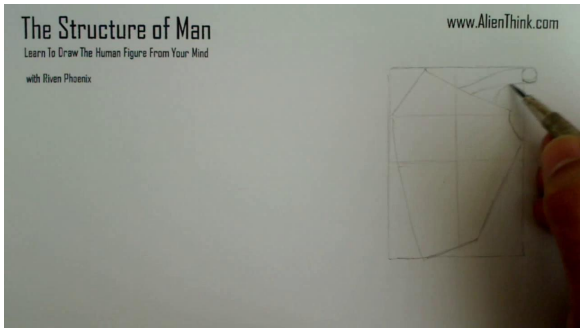
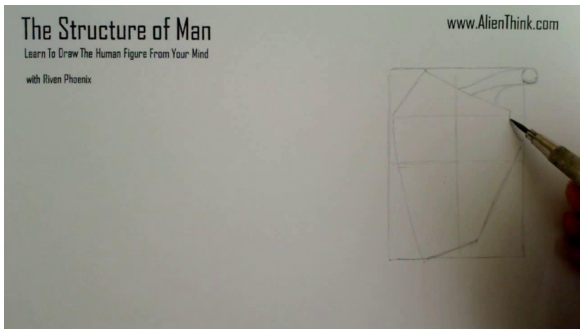
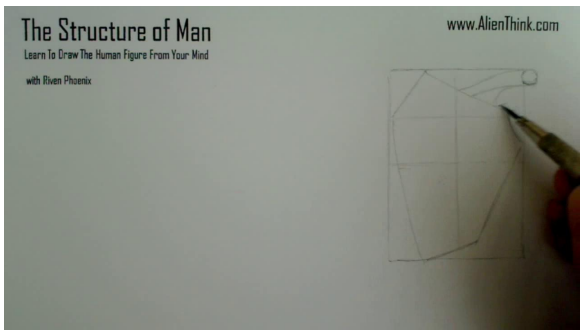
33		Right, so here I'm just going to erase that extra line I put in to make it a little more
34		thicker, and that's really the basic concept to get about it.
35		And then over here we're going to get that other piece of bone that's just going to be
36		like this, so here you can just imagine it, and just know that it's going to go in this

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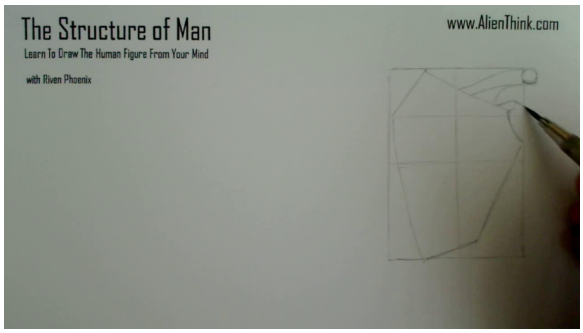
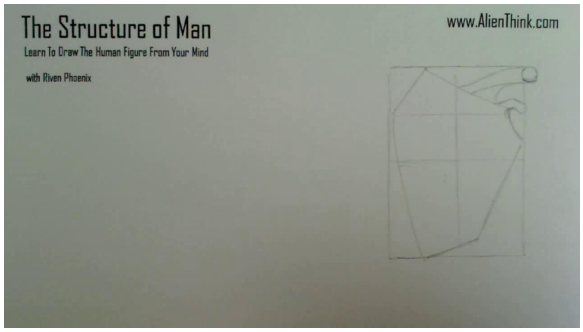
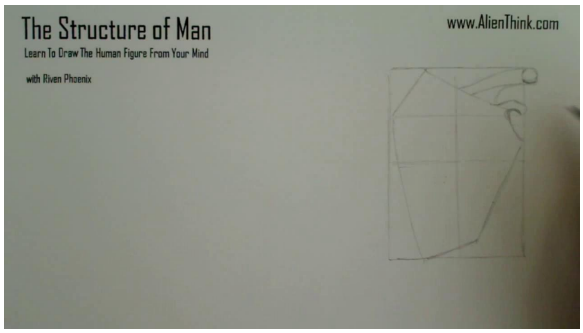
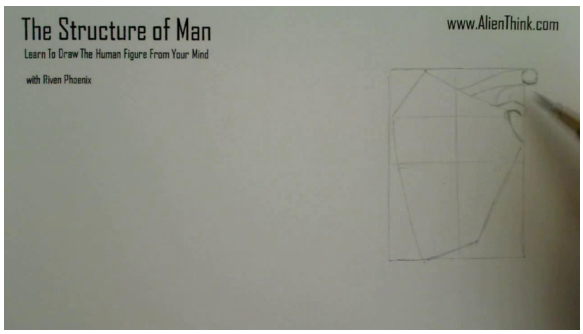
37		angle, just like this, and it's going to come just kind of like that.
38		Now the thing about this bone is that we don't, we just need to know that it's over here,
39		but in reality when you put the, the ball socket joint here for the upper arm,
40		this bone is going to be all covered up with muscles anyways, right?

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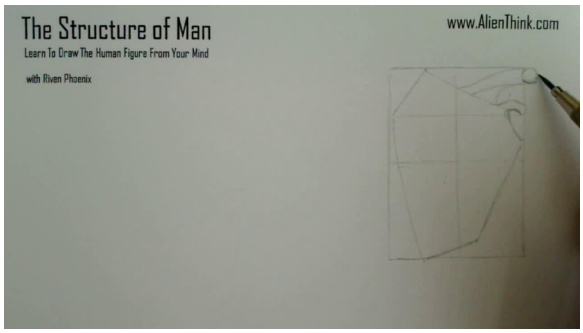
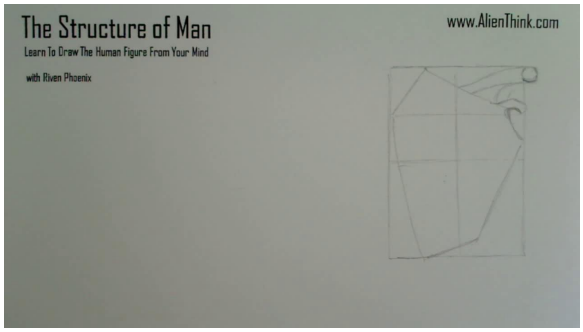
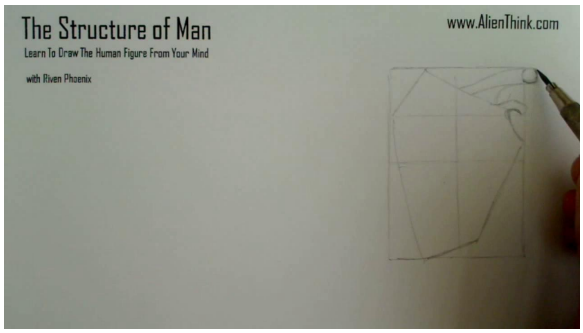
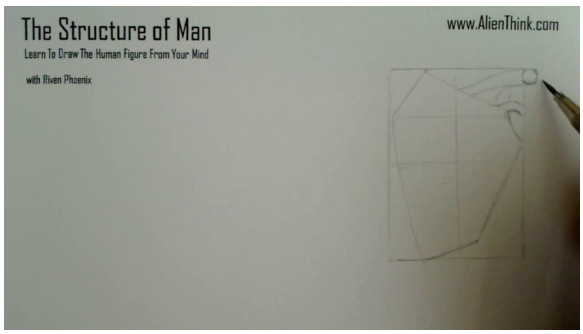
41		This bone is going to play a pretty important role, because you can feel this again
42		on the top of your shoulder area where this sticks out, so your muscle for the back
43		is going to be here, right, and then you get this nudge, and then because of that ball joint
44		you're going to get your deltoid over here, so just know that this is the bone that's

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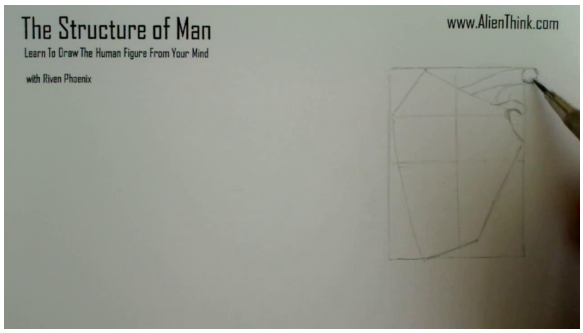
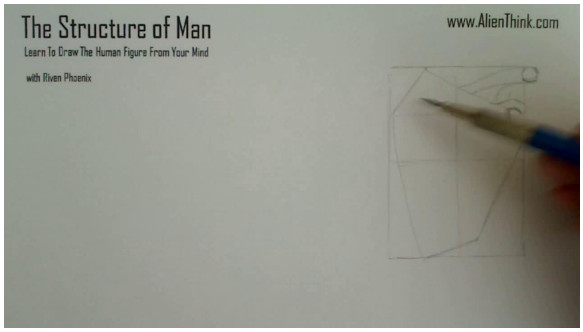
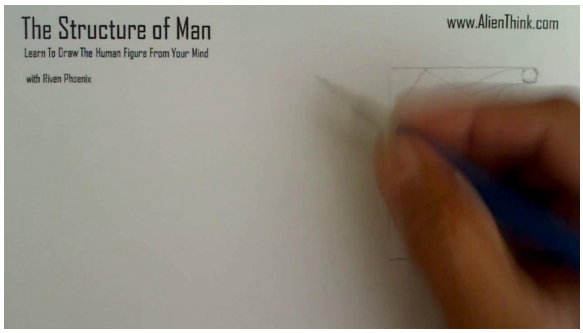
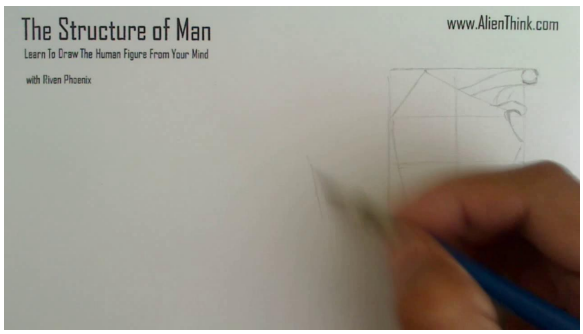
45		causing it to happen.
46		So I'm just going to darken this up a little bit.
47		Right, so obviously to draw this free hand is the same thing, I can just literally just draw,
48		let's say if I had to draw a scapula in this angle, I could just draw a really quick

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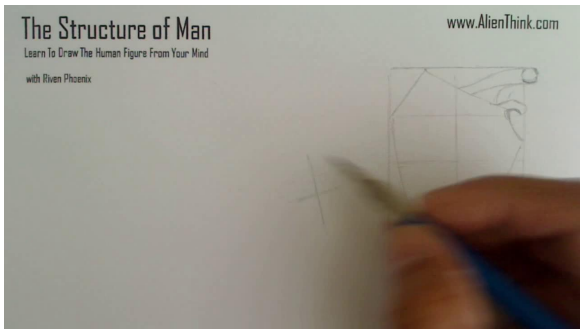
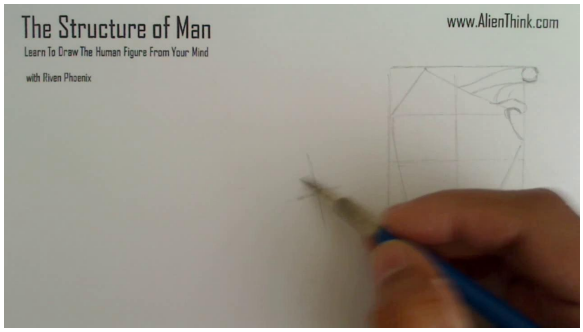
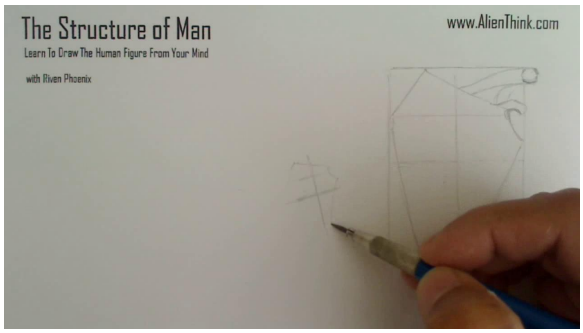
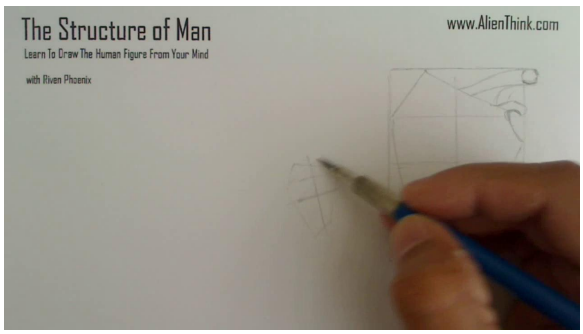
49		X over here if I needed to, right, just imagining it in the two several ways of doing this,
50		just know that it's going to be here, and here we can just wing it and just draw out
51		the scapula very easily, just like this.
52		Right, so it can have this very organic feel to it, right, so if I had to draw like this,

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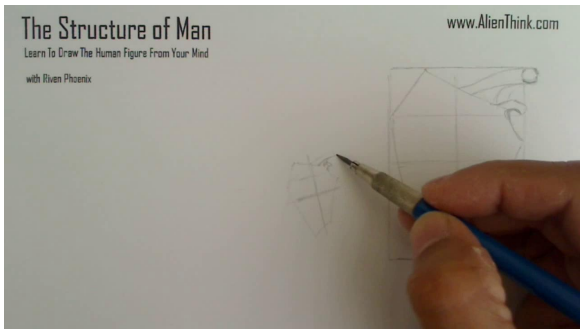
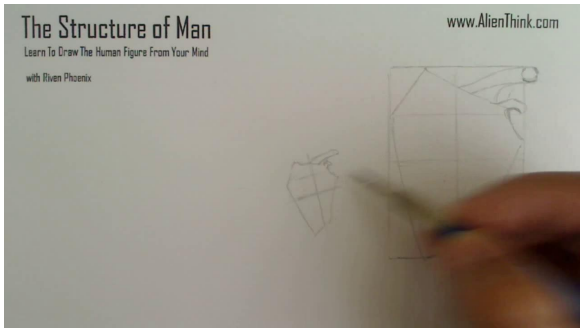
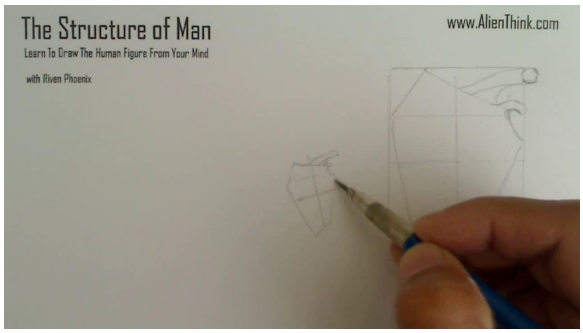
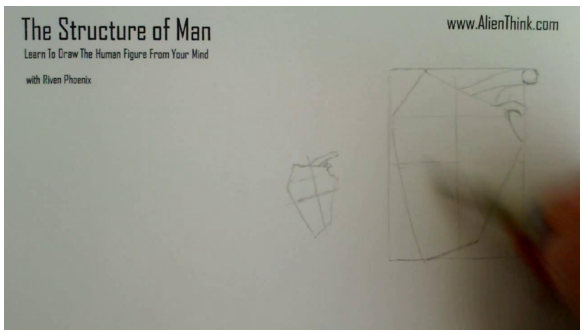
53		I had to draw like this basic idea of it out like this.
54		Right, it's that easy.
55		Okay, so that's one way of doing it, right, I mean we force the mind to see how the formulas
56		are working, and we just need to imagine them in this area over here.

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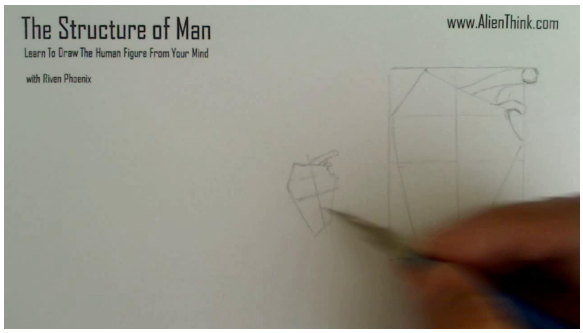
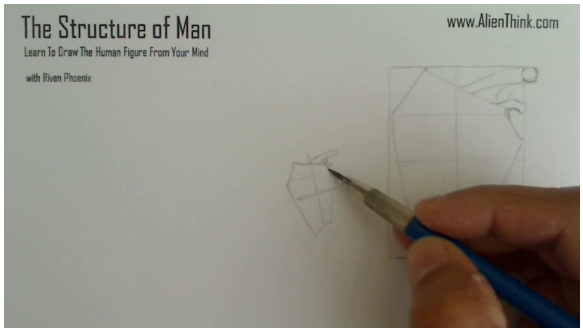
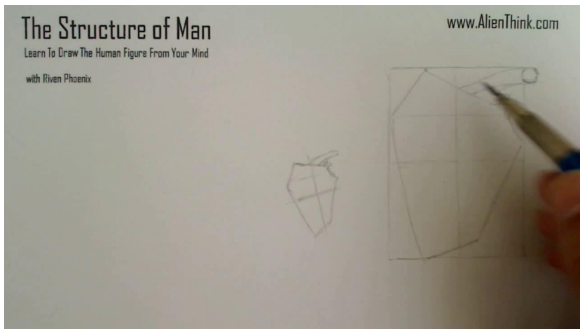
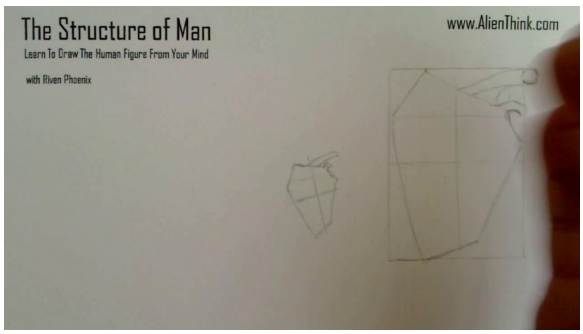
57		Now the thing about this is that in the scapula you'll find that when you're drawing it
58		out on the, on our invention of the figure that we will have to rely on this formula because
59		of its odd shape, right, so there's some things on the figure that are kind of odd that we
60		have to really always rely on the idea of the form because it allows us to just see,

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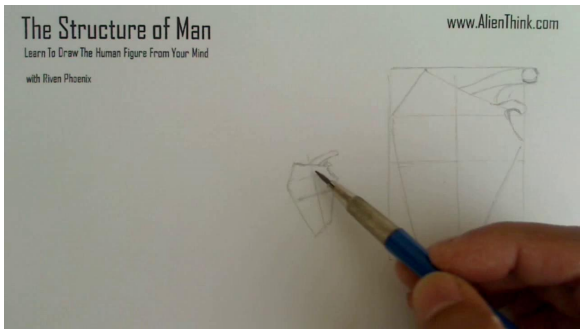
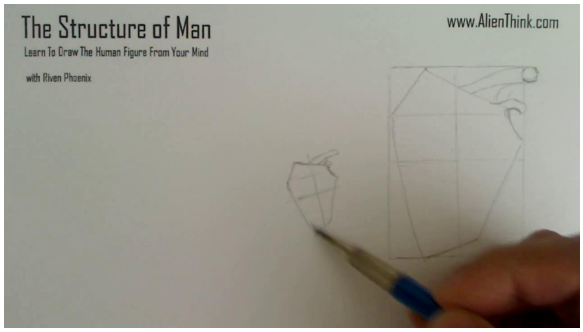
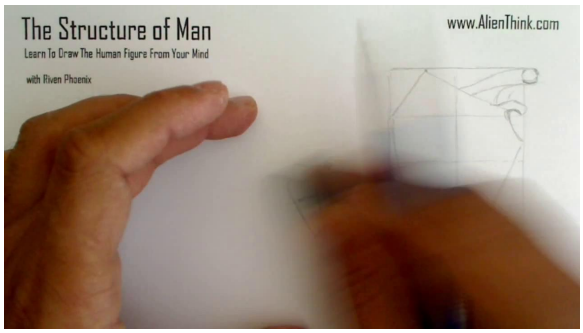
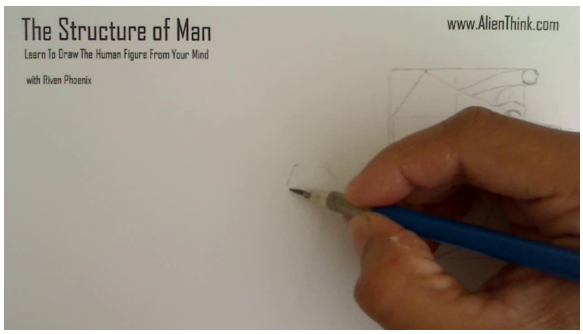
61		even just with this X, what's actually going on, right, how to divide this and put it
62		onto paper.
63		Right, so here I'm just going to erase this, and once I have that idea down, I can come
64		back in, really just make a, my own version of it, right.

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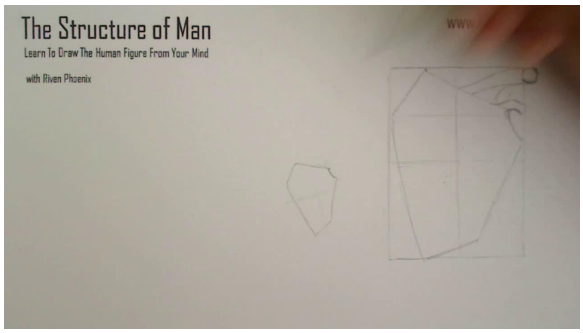
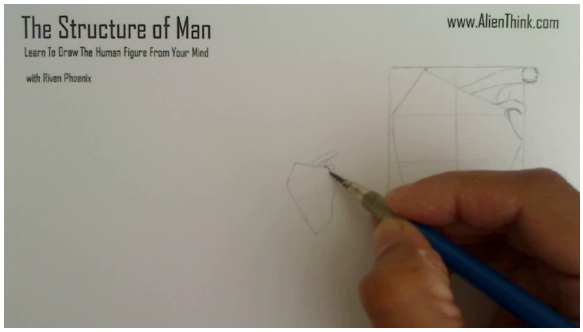
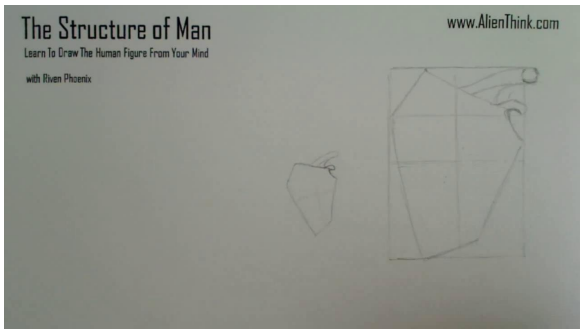
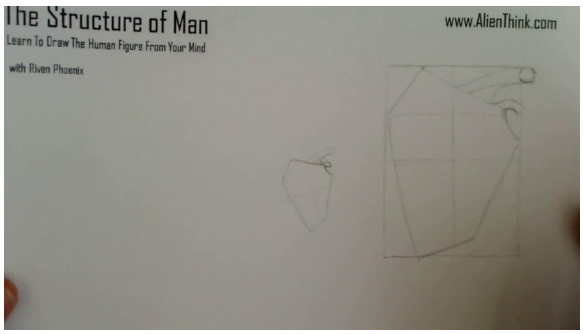
65		Again, this all is coming down to a drawing process, how we make our drawings be
66		much more detailed and realistic, right, we first just get the basic idea down.
67		Okay, so now having done this, now let's take a look at all the formulas together.
68		Right, so we'll draw out the back in the front view, and this is going to be a very

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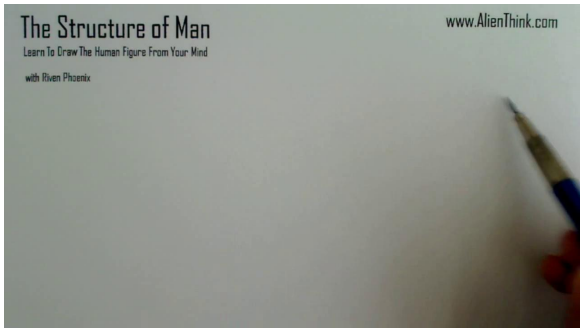
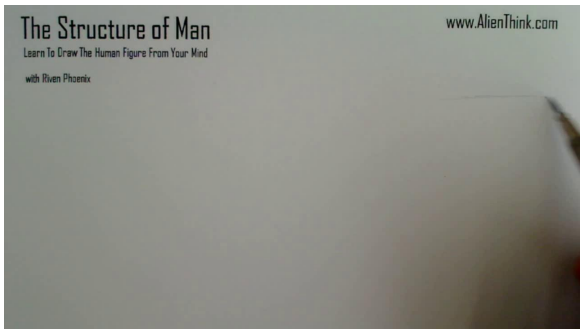
69		pretty important step to getting it to the next level.
70		Okay, so to start out, here I'm just going to look at this, I'm just going to draw
71		out a rectangle over here, about this size.
72		Let's, should be able to fit all of them here, and here I'm just going to do it like

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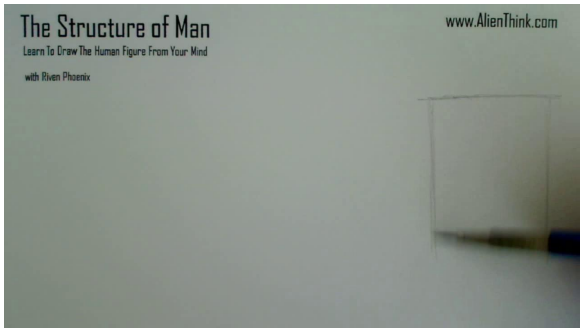
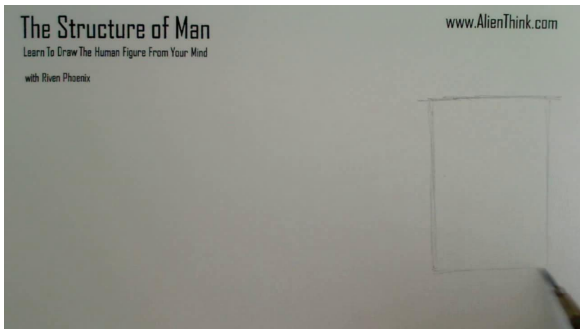
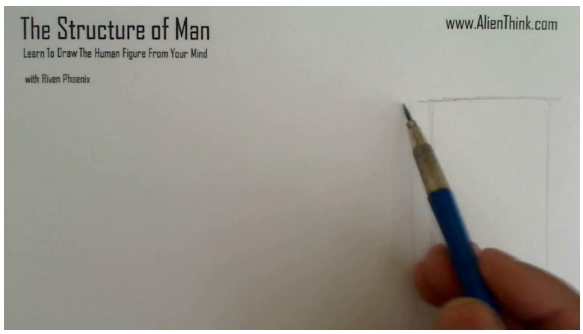
73		this over here.
74		Right, so let's just look at our drawing process here.
75		The first, before drawing anything now, we'll just lay out all these box shapes over
76		here first.

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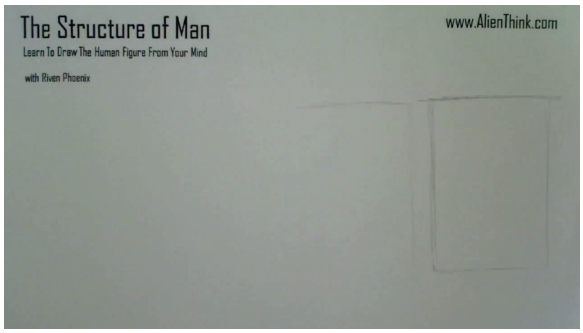
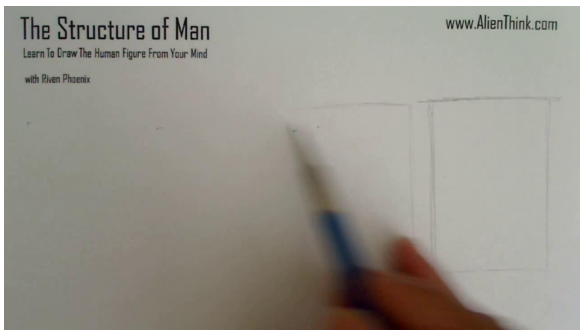
77		Right, so we can just measure from here to here, do it this way, and then if we put
78		another box here, it's going to be here, put this on a little closer.
79		Okay, so we're going to be good.
80		Right, so this line is just going to be here, then this other line is going to be

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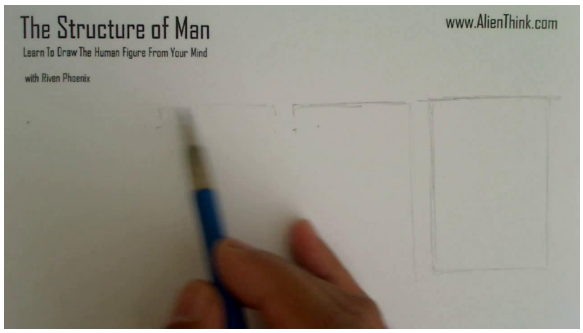
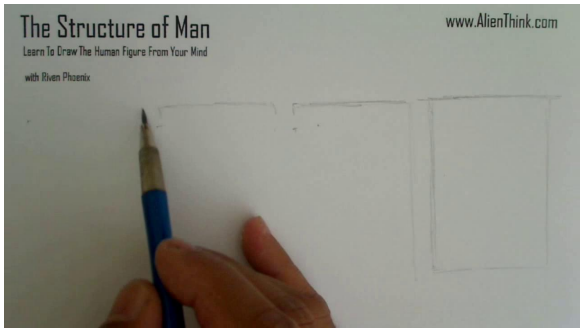
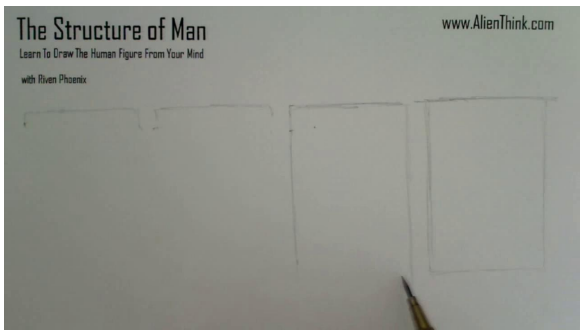
81		right about here.
82		Let me just lay out your concept out first with these lines.
83		I'm just going to draw out these boxes first.
84		Right, so when you're drawing it out, when you're falling through these exercises,

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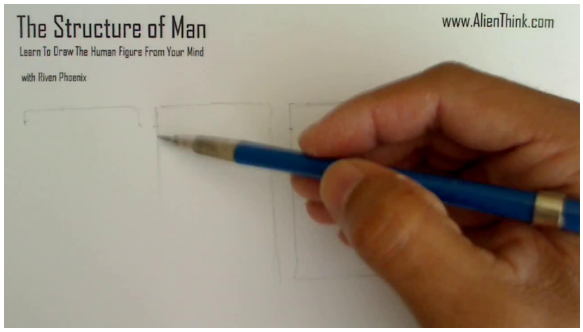
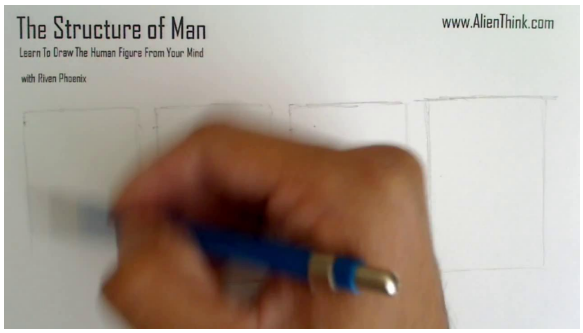
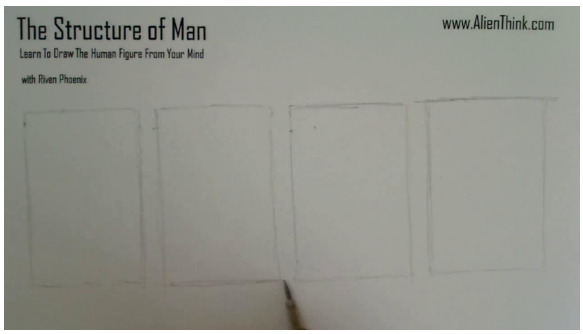
85		just be patient and draw them out as neat as you can.
86		Since I'm doing this on video, I kind of had to speed up a little bit in my ideas here.
87		Right, so don't go through it so fast, thinking that your mind is getting in,
88		make sure you understand all this stuff.

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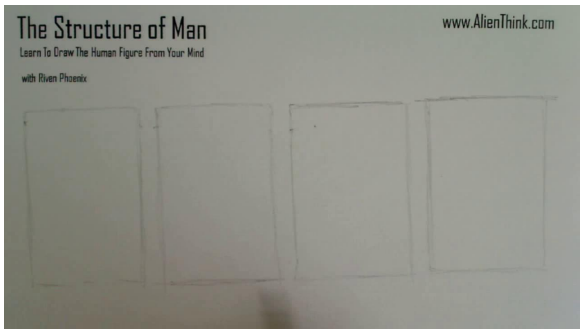
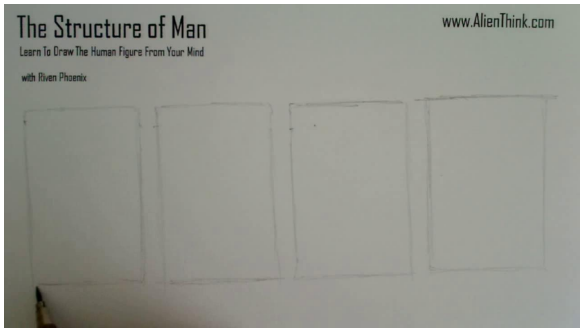
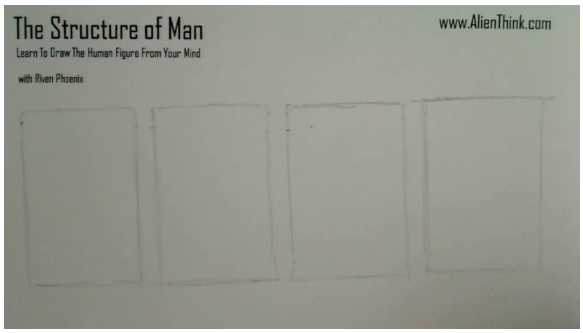
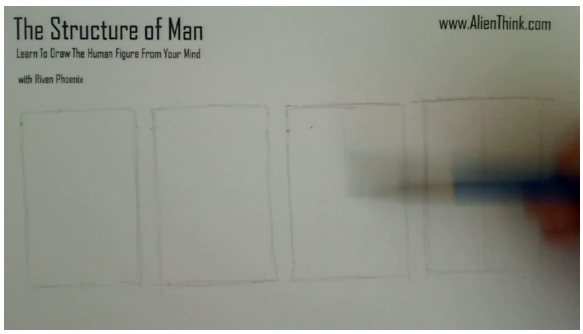
89		Okay, so that should be pretty good.
90		Right, I get the basic concepts down.
91		Okay, so here, what we can do now, we know that okay, well let's just put these lines
92		down for the formulas here.

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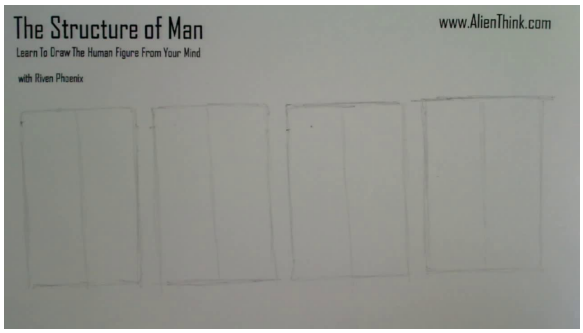
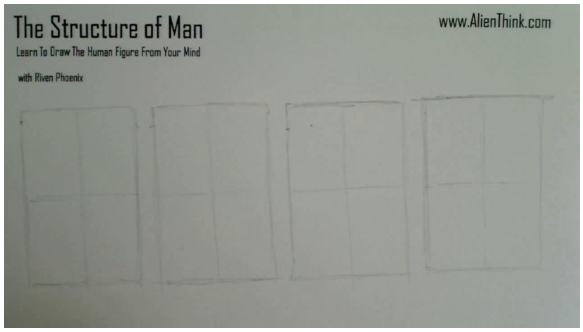
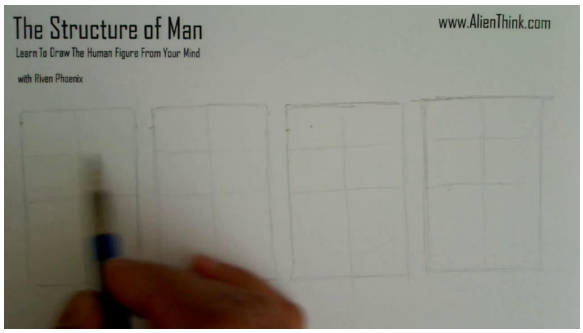
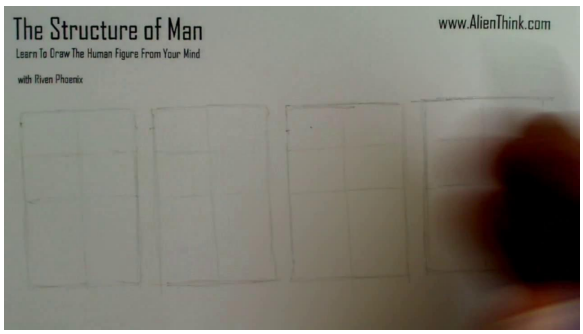
93		Just like this, here, we're going to divide this in half like this,
94		just like that, okay, and then put these marks down.
95		Again, this is really just proving to the point that when it comes to the scapula,
96		we kind of have to rely on these formulas.

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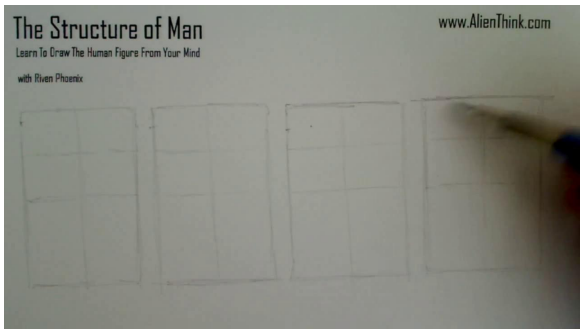
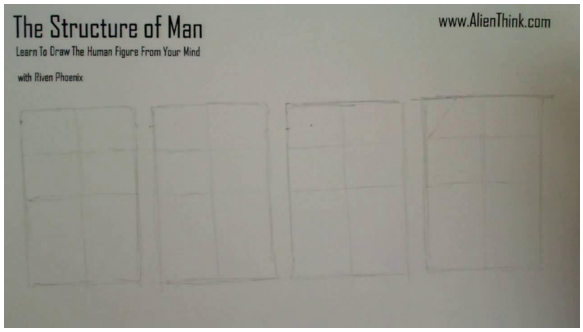
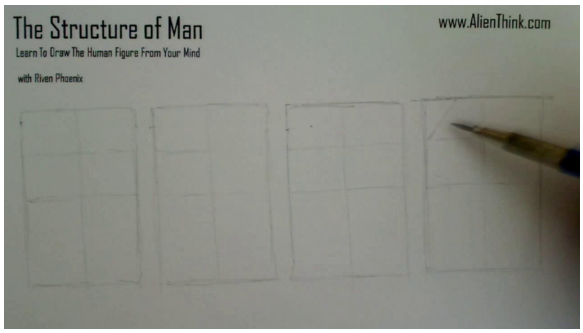
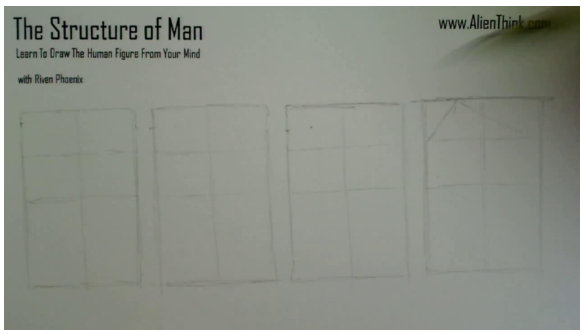
97		So here, we're just going to put down the back.
98		Right, so this is going to be the back right in the back left.
99		So here, we know that it's very easy, which is going to come over here like this.
100		Now, I'm going to probably collide with some of these ideas here because they're kind of close.

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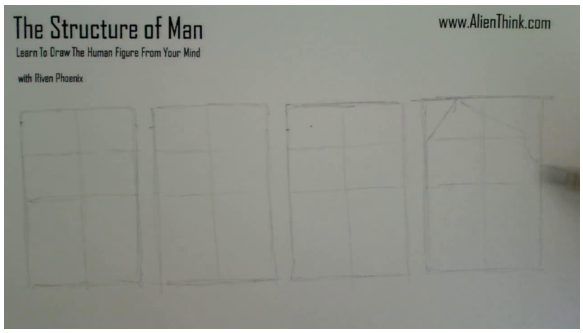
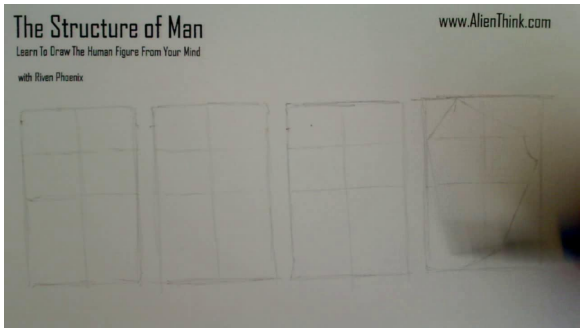
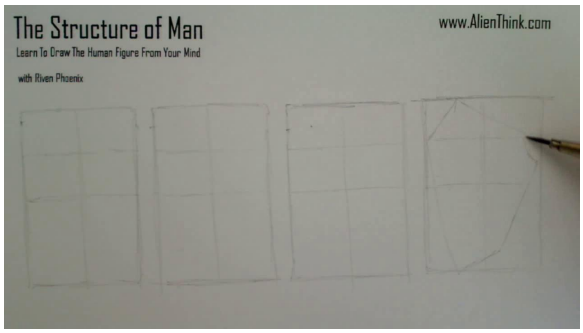
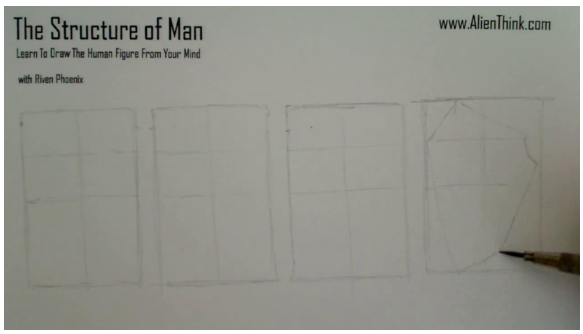
101		But that's fine, as long as we can just train the mind to understand how this is,
102		just like this, right?
103		So just know that wherever this is, when you come here,
104		this site is always going to be on with a curve, right?

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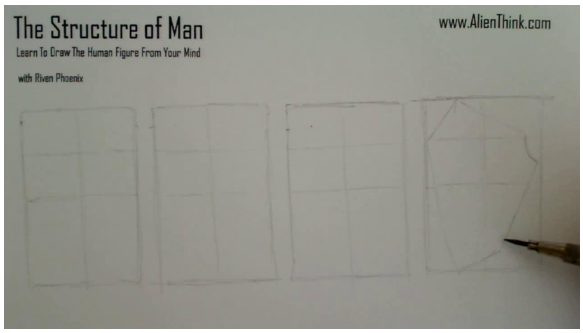
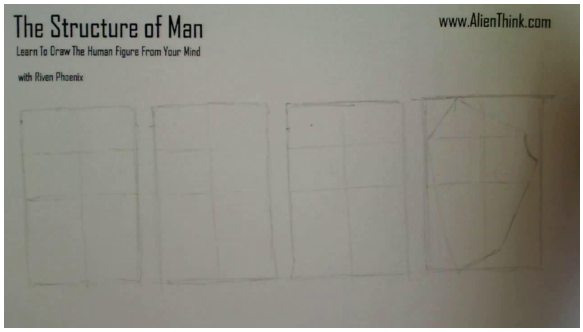
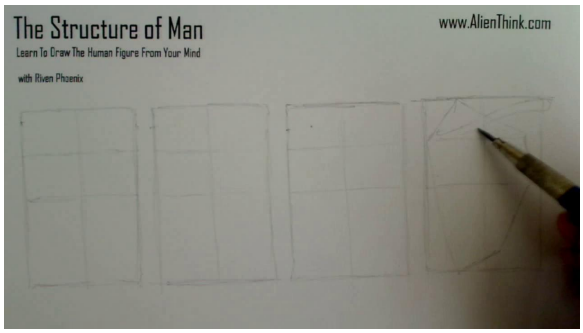
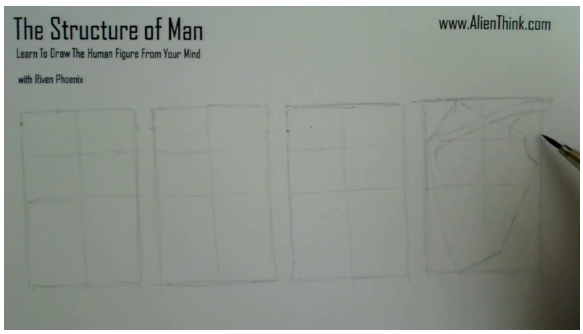
105		It's always on top over here.
106		So once this is done, here, I'm just going to come out a little bit over here,
107		and then make that bone structure like this for the back over here like that.
108		And I know that that bone over here is just going to be like this.

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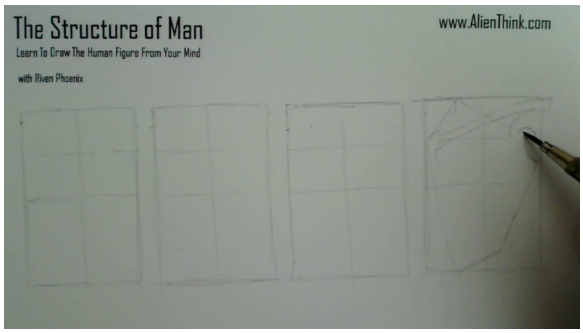
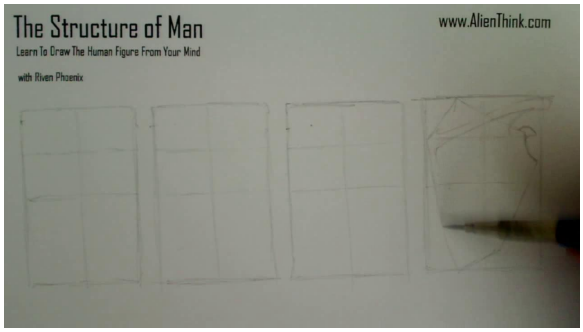
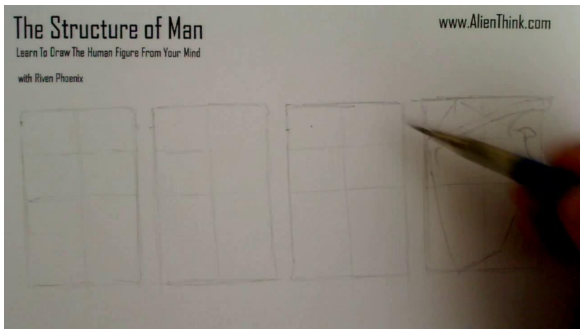
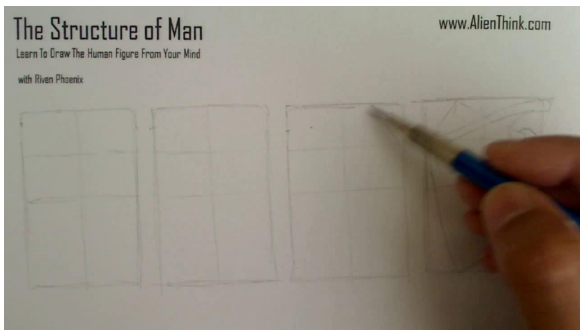
109		Right, just get the basic idea down.
110		Very easy.
111		And for the flip side, the left version is just going to be the same thing.
112		It's going to go in this direction, right, halfway here.

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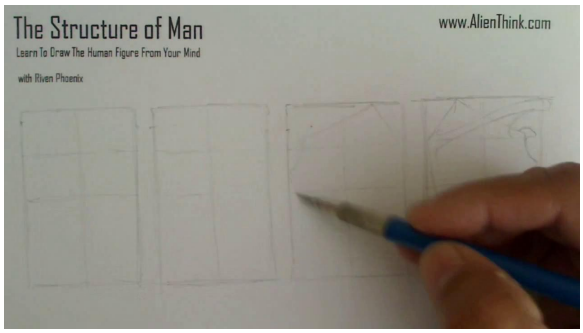
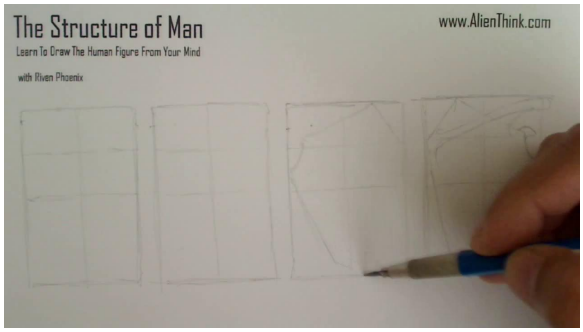
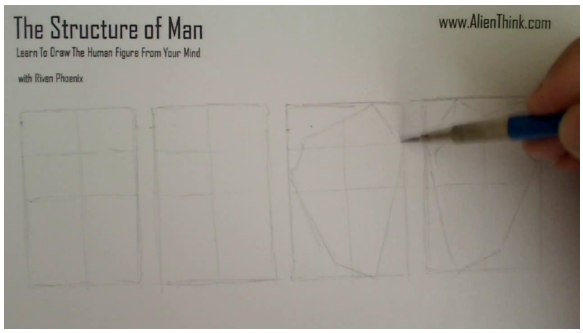
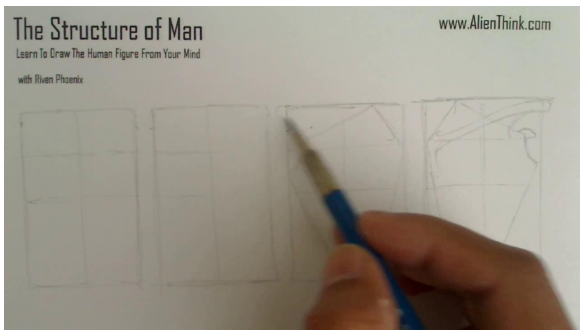
113		Remember, wherever this guy is, you're going to come over here like this,
114		then you're going to get your line over here, then you'll get it like this, right?
115		It doesn't have to be so symmetrically accurate, but we here just know that in reality,
116		the scapula on the left and the right are going to be a little different anyways.

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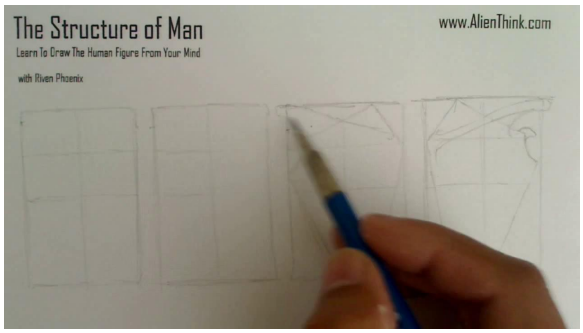
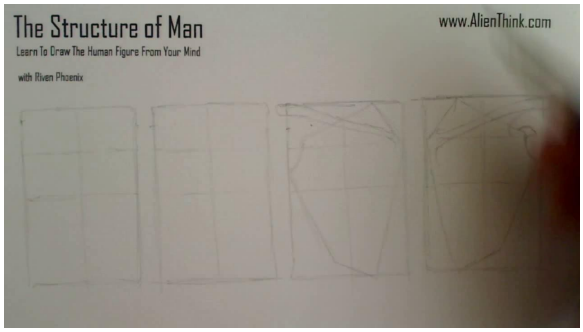
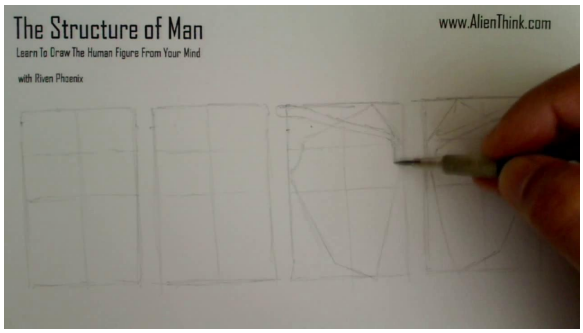
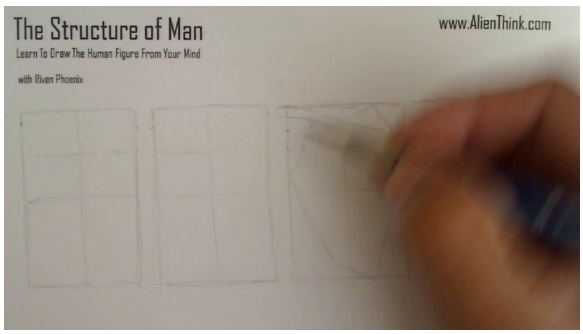
117		Right, on every person.
118		Okay.
119		So this is just going to be like this here.
120		I'm going to connect that like this.

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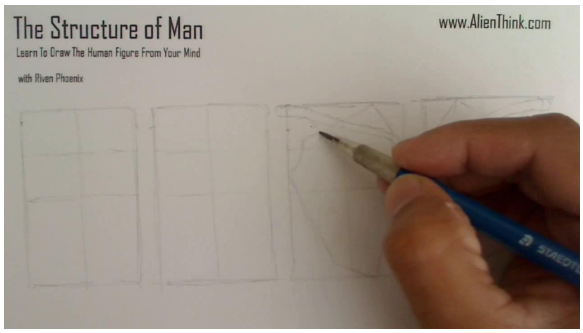
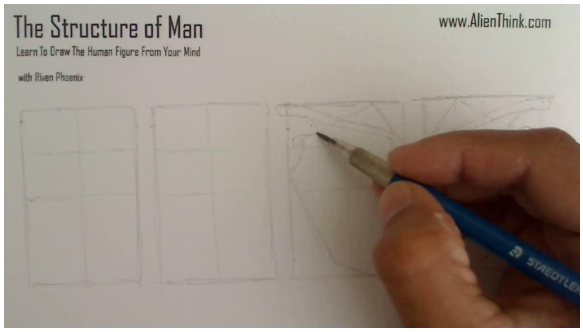
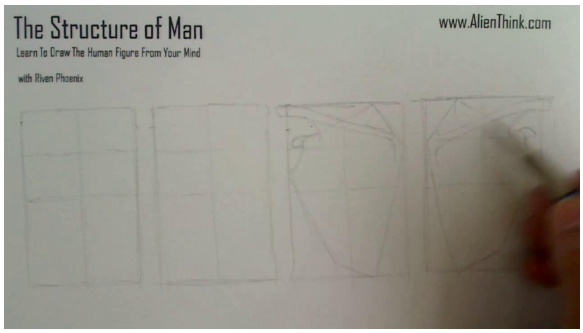
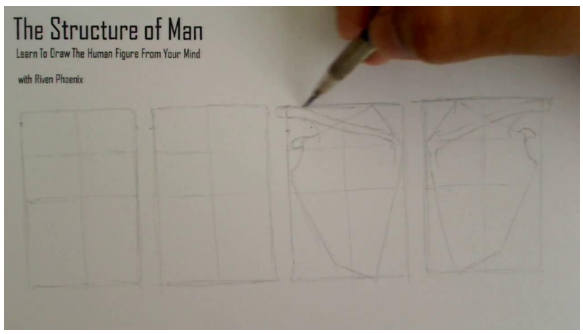
121		Just get my basic ideas down.
122		And this will give me basic concept of it, right?
123		So here you'll see I just did it this way and over here, going in this angle,
124		I probably will come back in here and adjust that concept.

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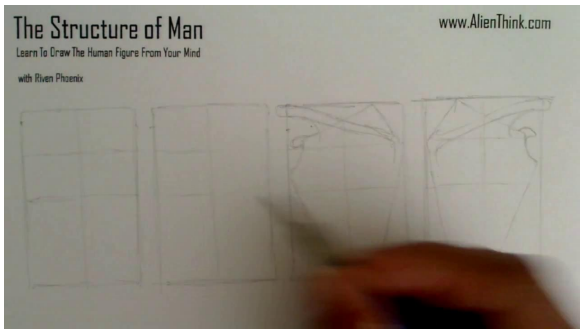
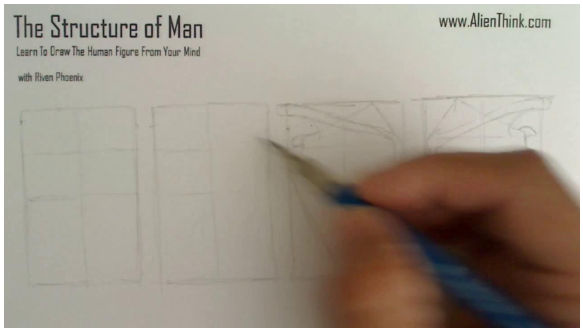
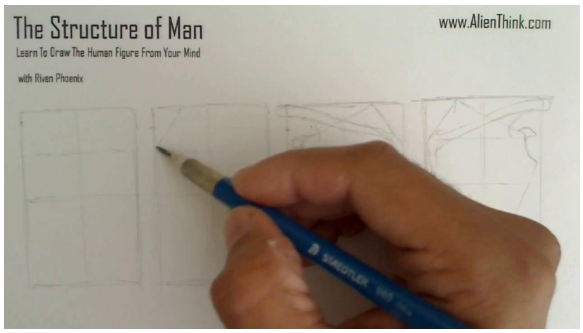
125		And over here, we're going to now do the front.
126		It's going to be the same thing.
127		Just do it this way.
128		Come over here.

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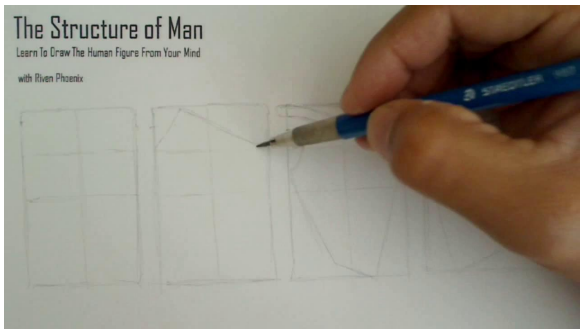
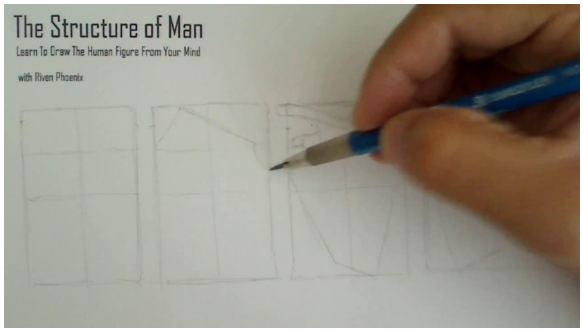
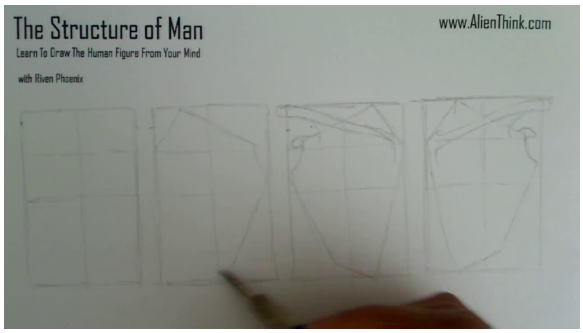
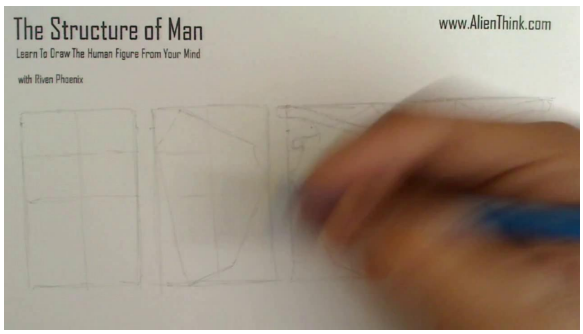
129		Do it this way.
130		Do that.
131		And then come back down this way.
132		And just this and I know that this is just going to be over here,

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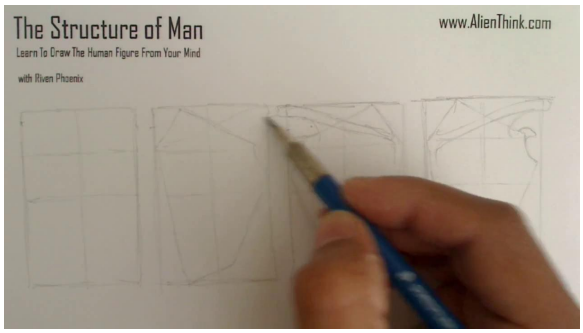
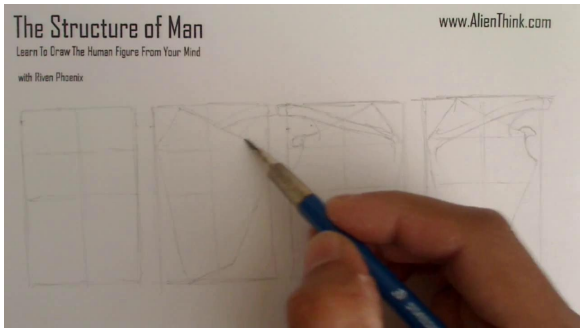
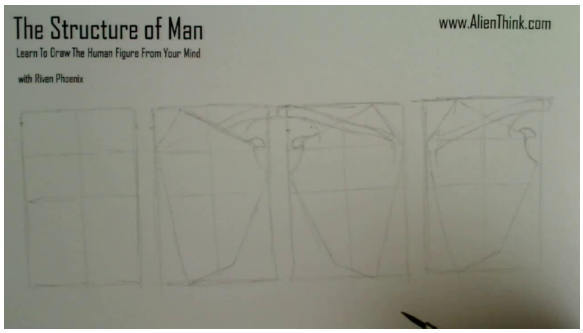
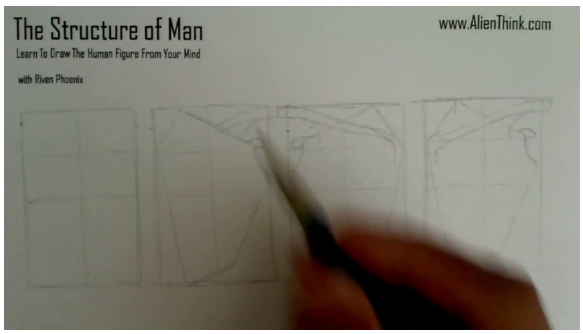
133		like this going in the other direction.
134		And then this is just going to be like this.
135		Okay.
136		So this is the front.

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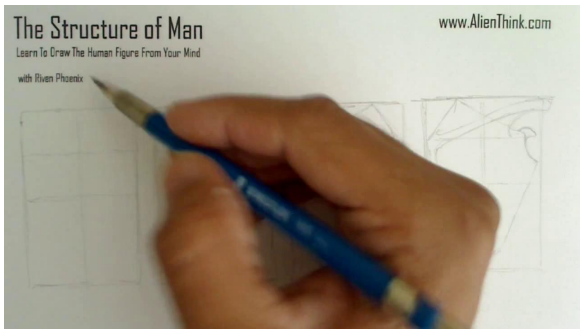
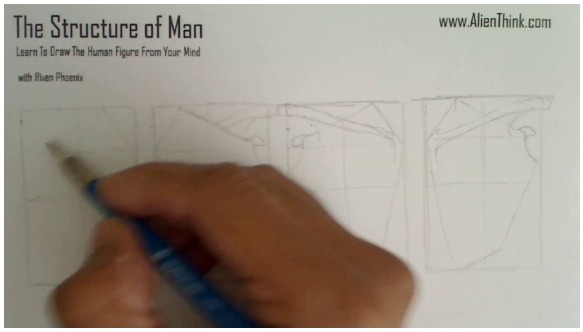
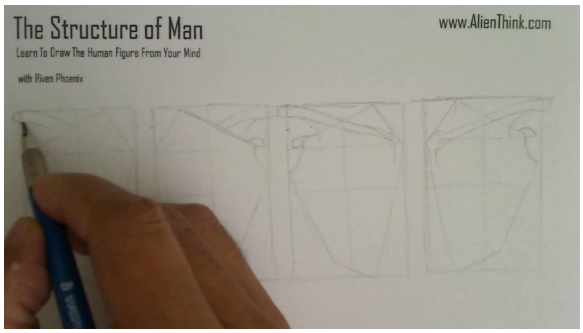
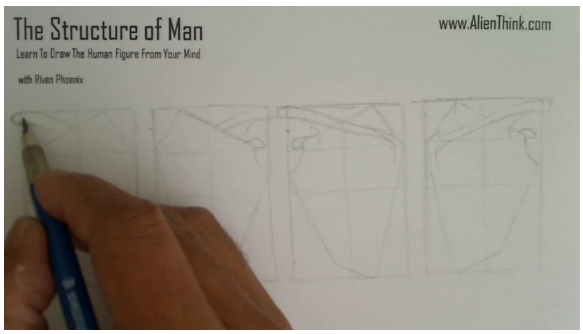
137		And over here, it's going to hear the same exact thing.
138		Just going in this direction over here, like so.
139		Make sure that you understand about this ball,
140		not this ball, this bone coming towards you.

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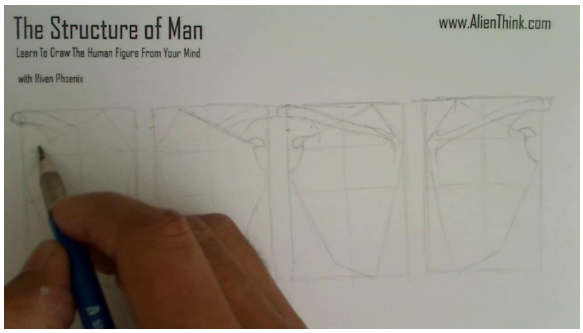
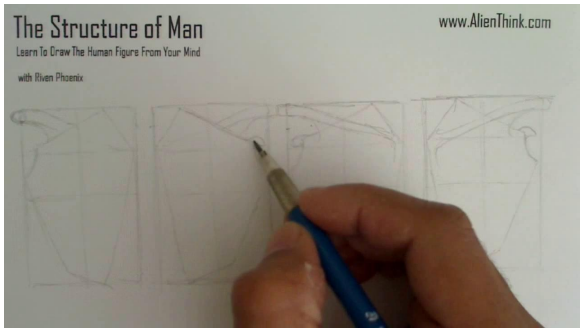
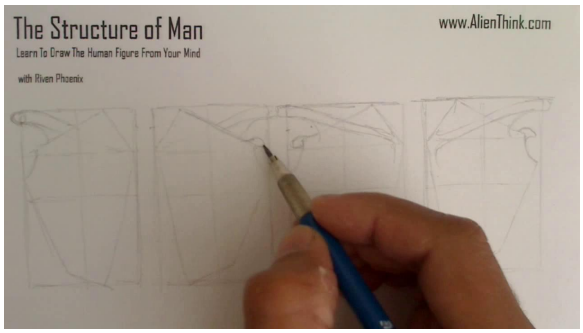
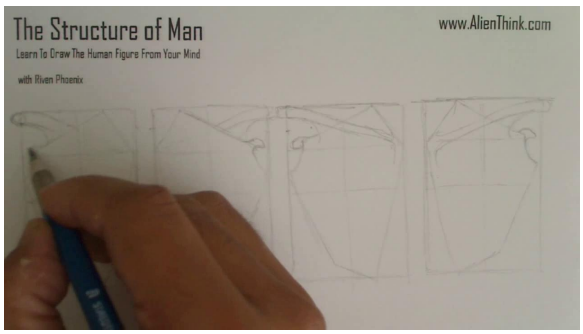
141		And that's about it.
142		So now here for the front, remember, over here, this is in the back,
143		and over here, I did this in the front, right?
144		So this is just like going, there's this piece of bone that comes in this way.

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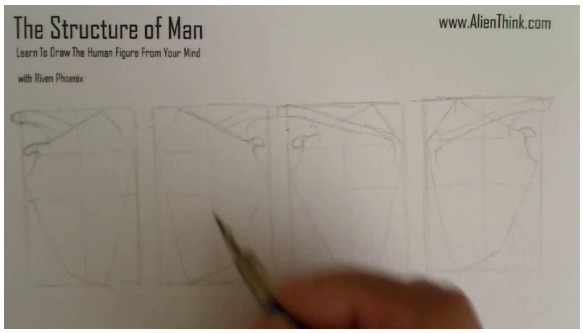
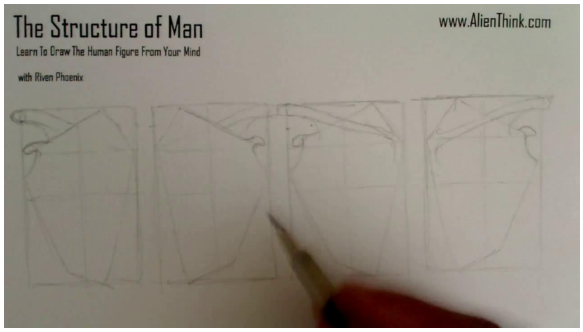
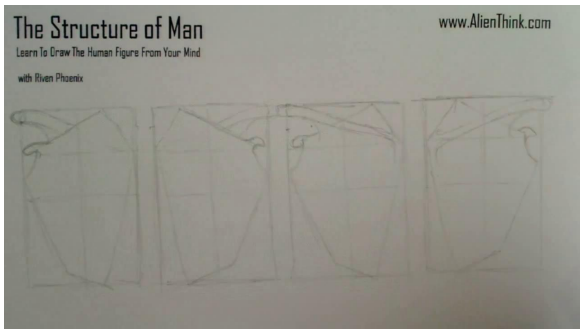
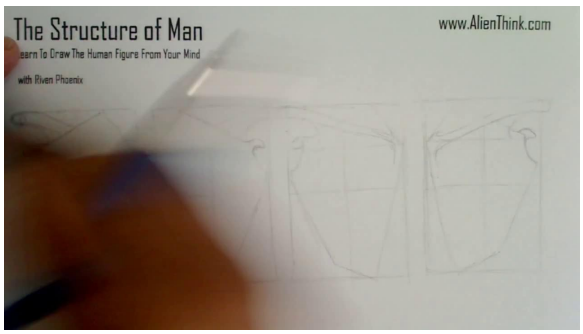
145		Okay.
146		So that helps us to understand how this is going to be in this area like that.
147		So all we have to do is really now just erase some of these lines here,
148		and we can,

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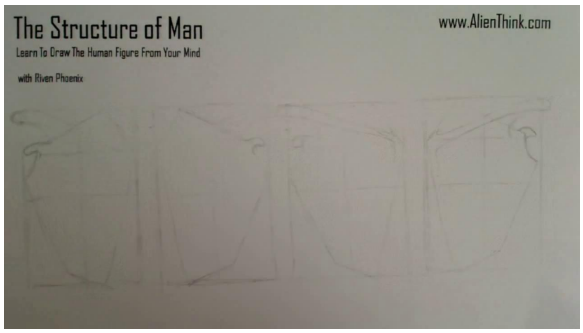
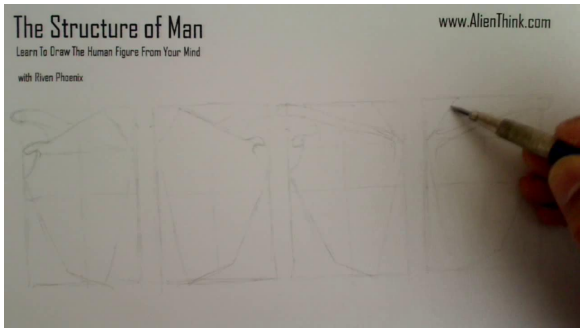
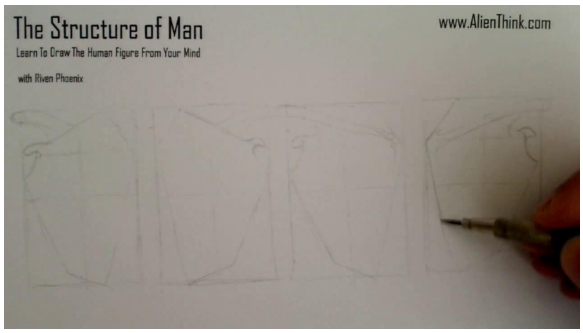
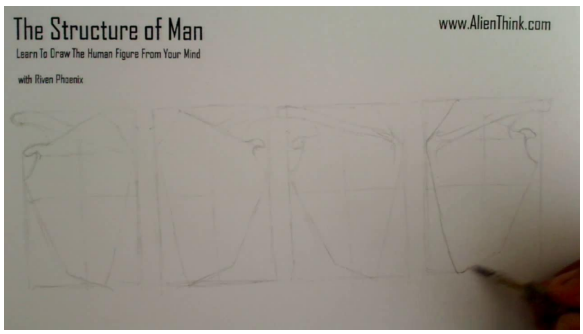
149		we just make our own version of the bones, right?
150		Just make your own bumps and bruises on this,
151		how the scapula is going to be.
152		So here, I'm just going to do it this way.

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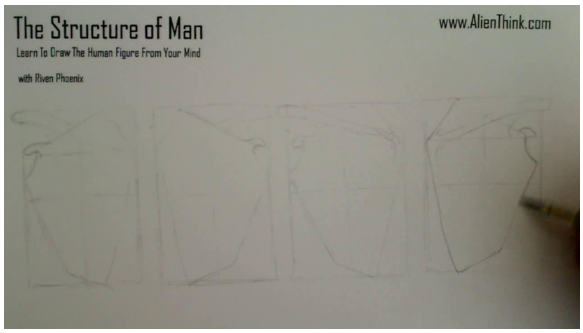
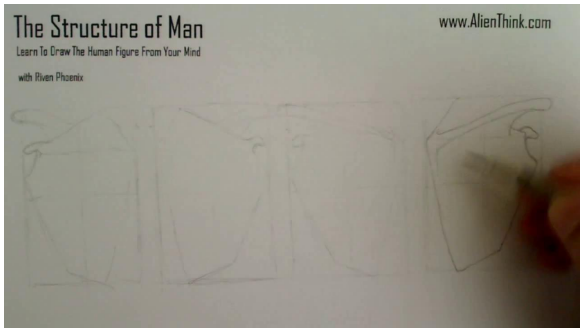
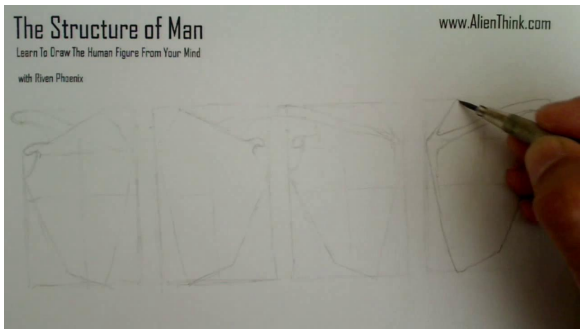
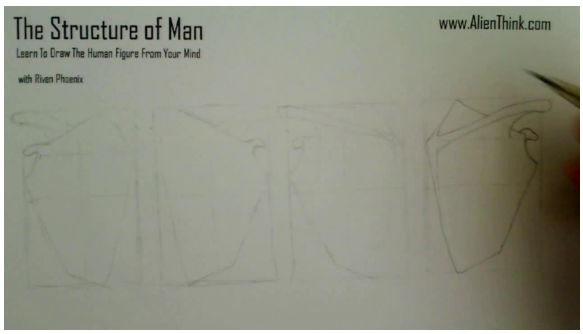
153		Here, probably put some ideas here like this.
154		And just finish it off like that, right?
155		So now again, you can, if you have access to anatomical bolts,
156		you can refer to them.

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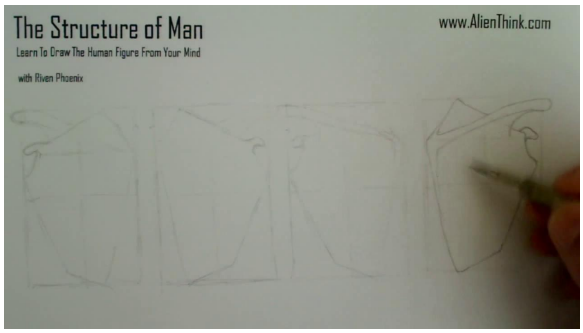
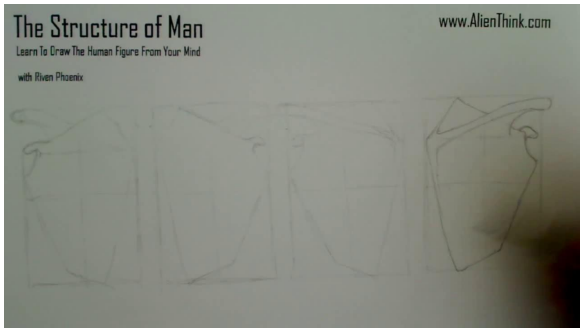
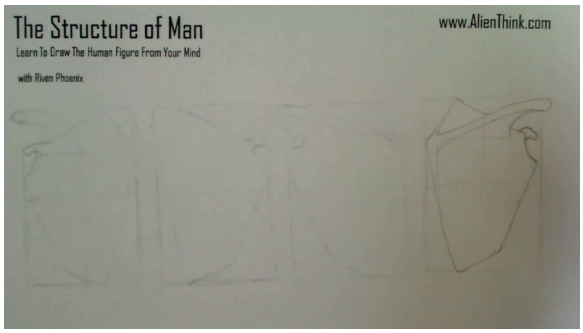
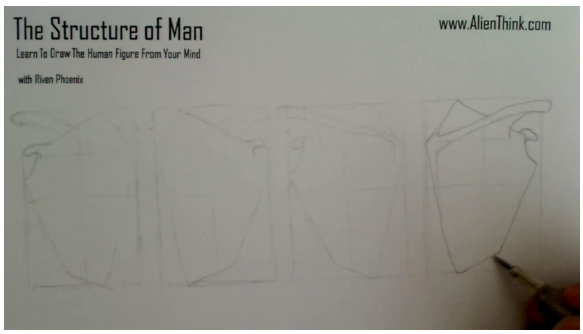
157		And you can figure out some other stuff if you need to,
158		but you really don't have to,
159		if you should just look at it in your anatomical books,
160		actually, how the scapula is,

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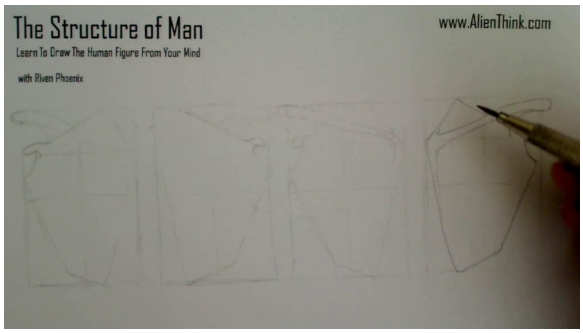
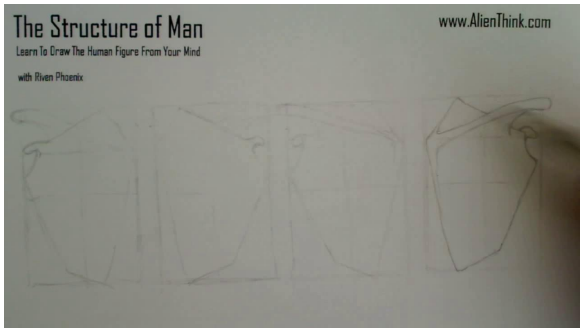
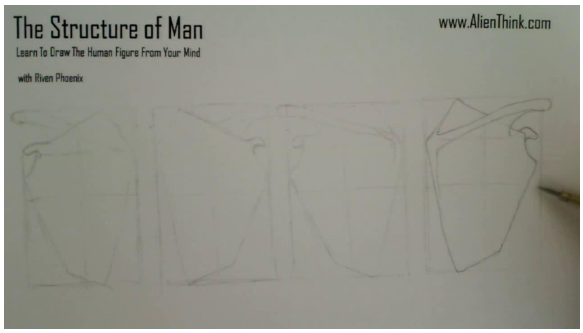
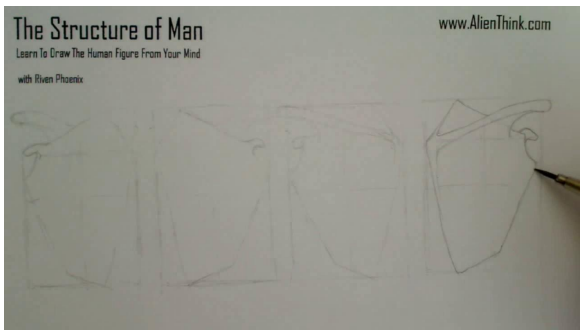
161		and you'll see that we've got the basic design done,
162		and you'll notice that in different books,
163		there are very different variations of it, right?
164		Sometimes this area has more curves,

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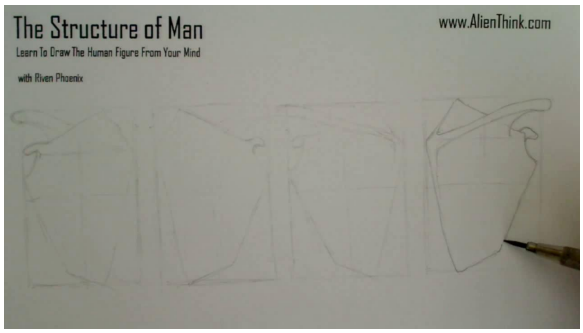
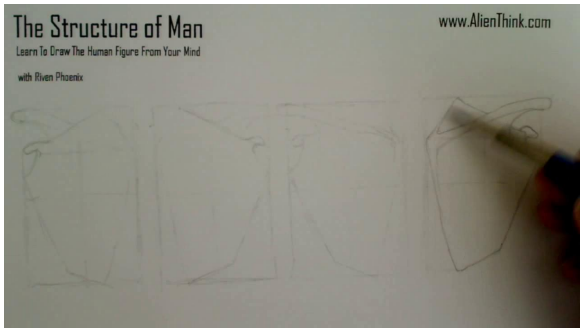
165		or over here, it's like multiple art shape, right?
166		But this is the general concept of this scapula based on a,
167		a standard, you could say a standard human skeleton, right?
168		And then you can pull out your different variations from it.

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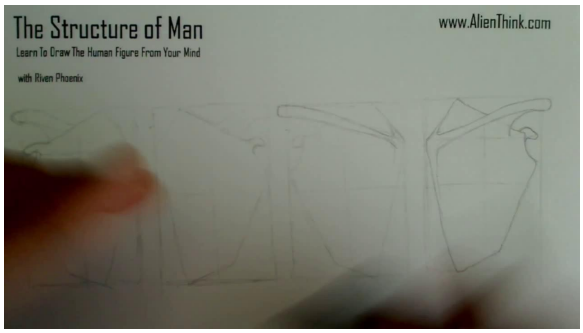
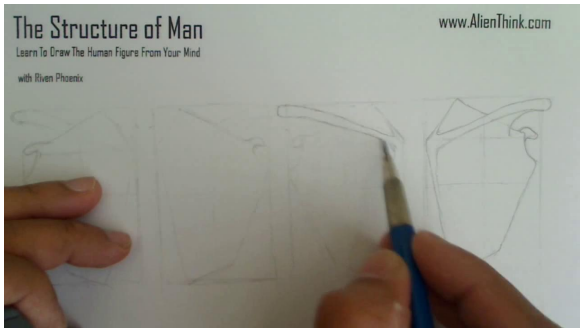
169		So for this one,
170		and to do it this way over here,
171		right, so I mean, I could just do like this bump over here
172		and would make a difference.

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173		Right, just like this,
174		and this is going to go like that,
175		get that curve in here,
176		and this, I know, is pointing really in that direction,

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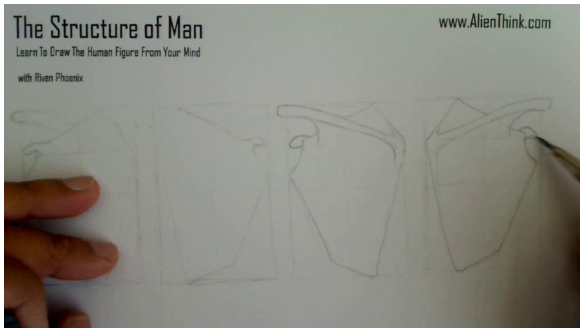
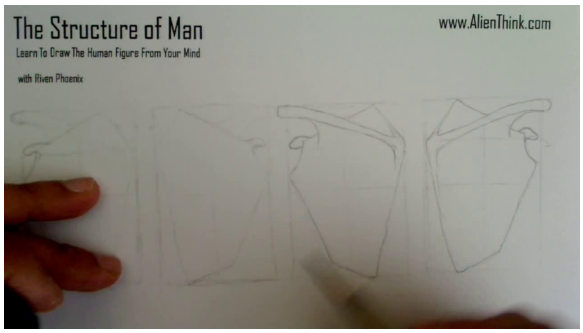
177		right?
178		And these, this bone structure is always pointing in that direction.
179		Just keep, just know this.
180		And then from the front, it's going to be pretty easy,

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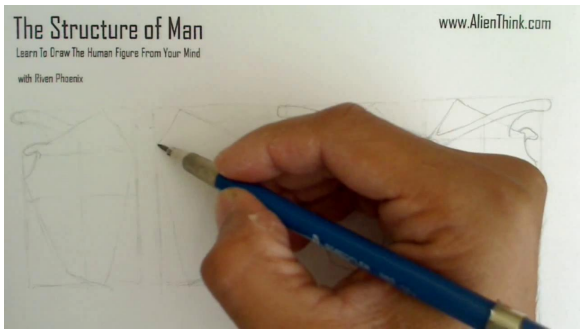
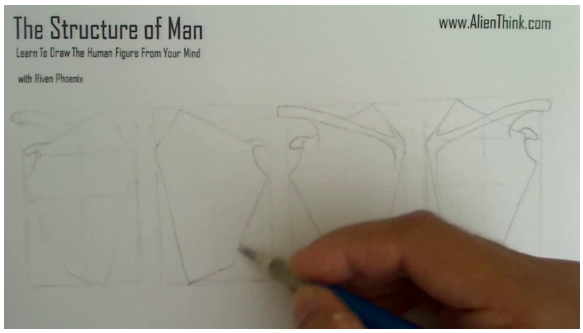
181		just do it this way from here,
182		and then when we make this,
183		now let's just talk a little bit about this,
184		this is really like a socket joint that the bone structure is going to go in,

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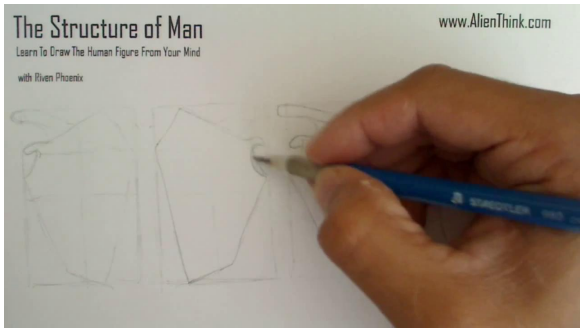
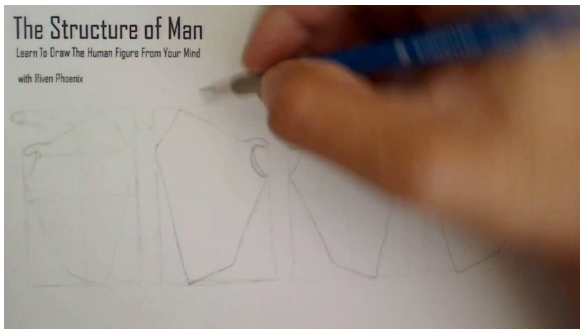
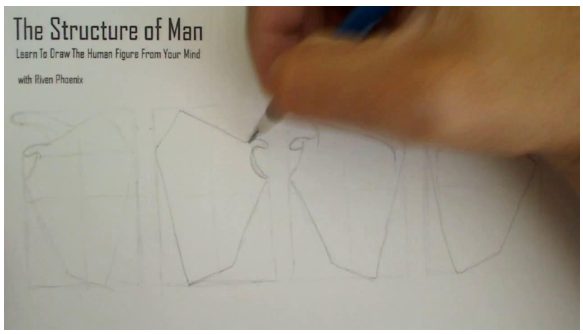
185		so you'll see like a little bit over here, right?
186		It's like a ball joint that can go inside it.
187		And then over here,
188		you can just do it this way.

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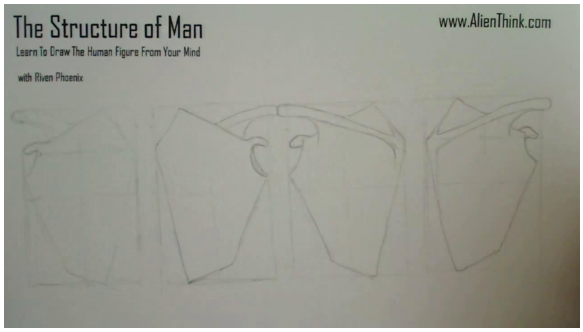
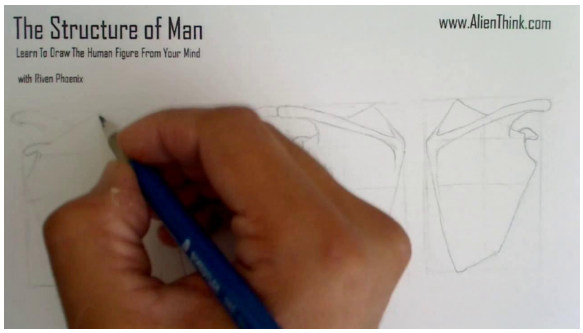
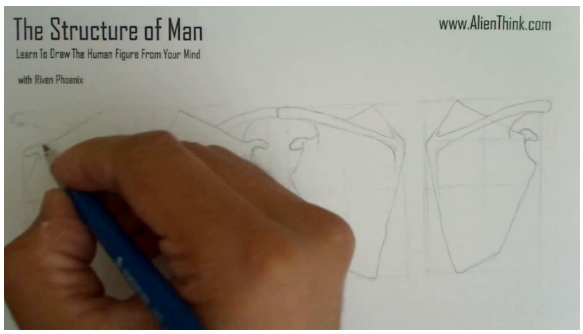
189		So for this, I'm just going to make it come out like this,
190		and that'll be it for the front.
191		And then to finish this off,
192		here we can just

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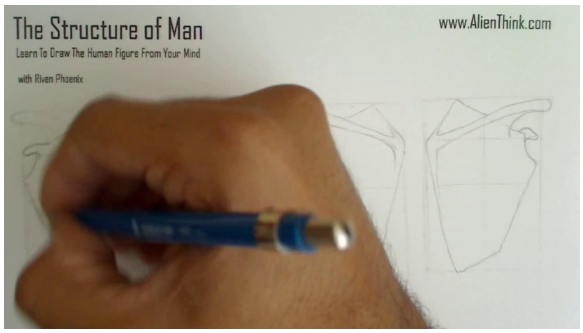
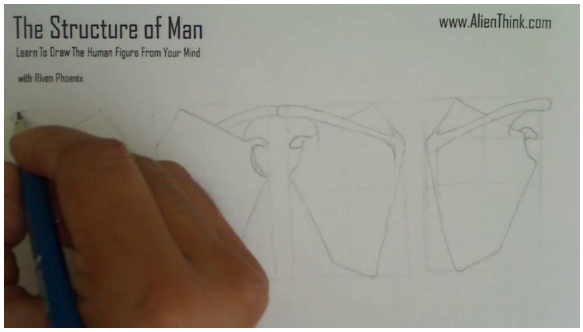
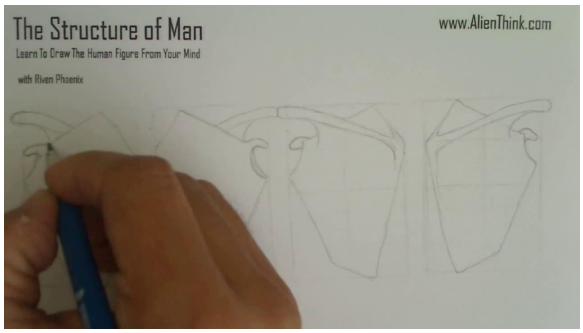
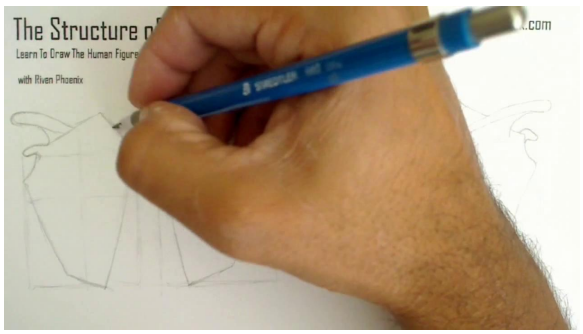
193		put this over here like this,
194		and then over here,
195		like that.
196		Okay, so here we've got all the formulas done,

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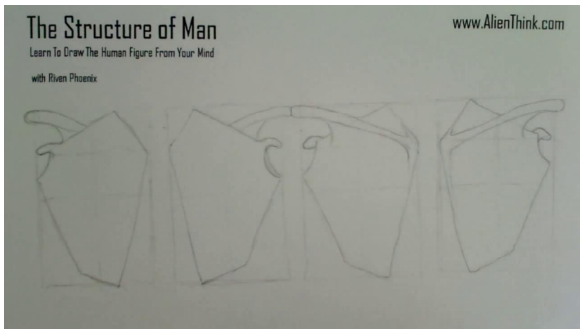
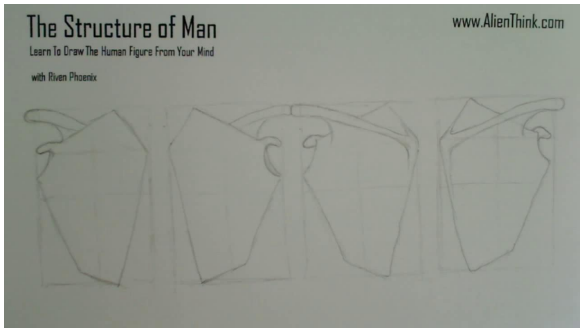
197		where you can see how easy it is to create the scapula.
198		So I'll see you in the next lesson.

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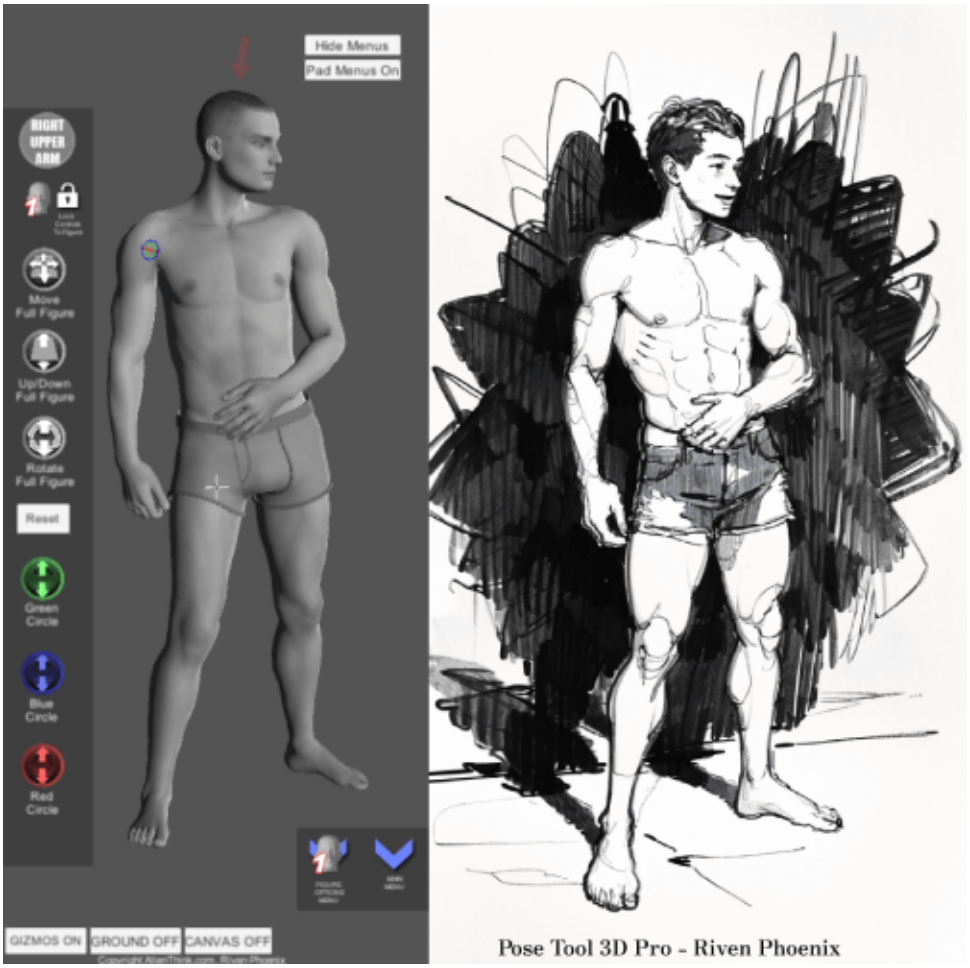

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